



TEC Electronic Computing Scale
SL-5900 Series

Programming Manual

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APPLICABLE MODELS

SL-5900-30-C2-US
SL-5900-35-C2-US
SL-5900-35-C4-US
SL-5900-36-C4-US

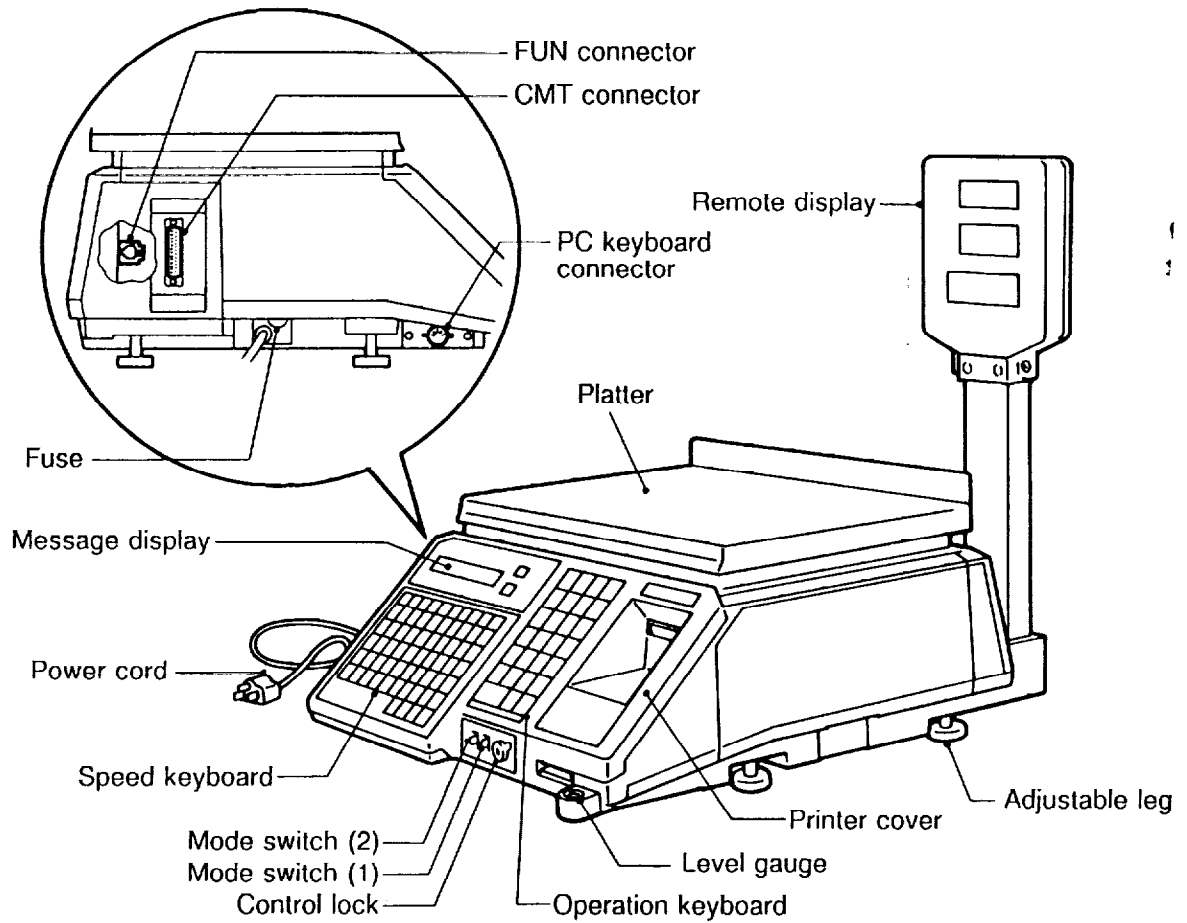
TOKYO ELECTRIC CO., LTD.

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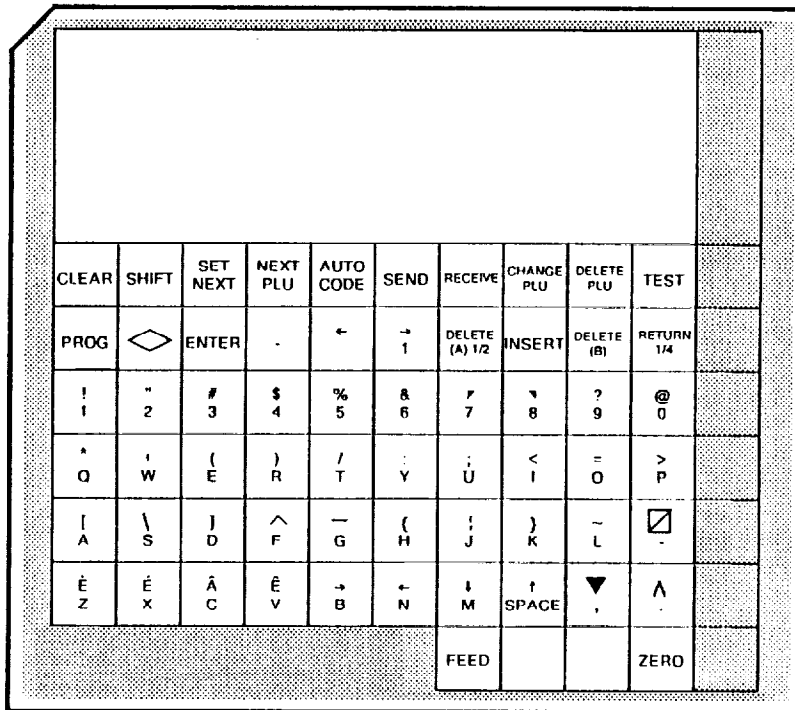
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1. OVERVIEW

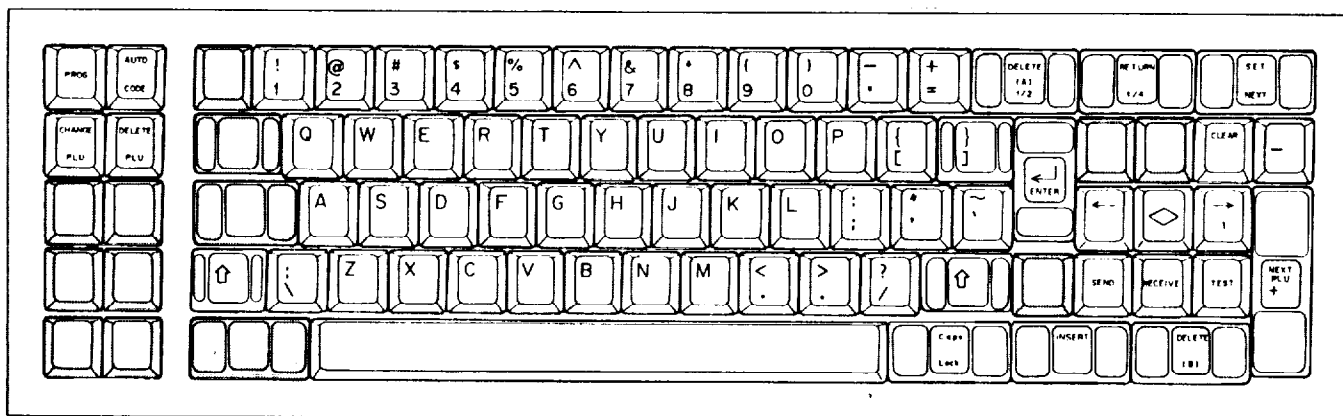


2. PROGRAMMING KEYBOARD AND KEY LAYOUT

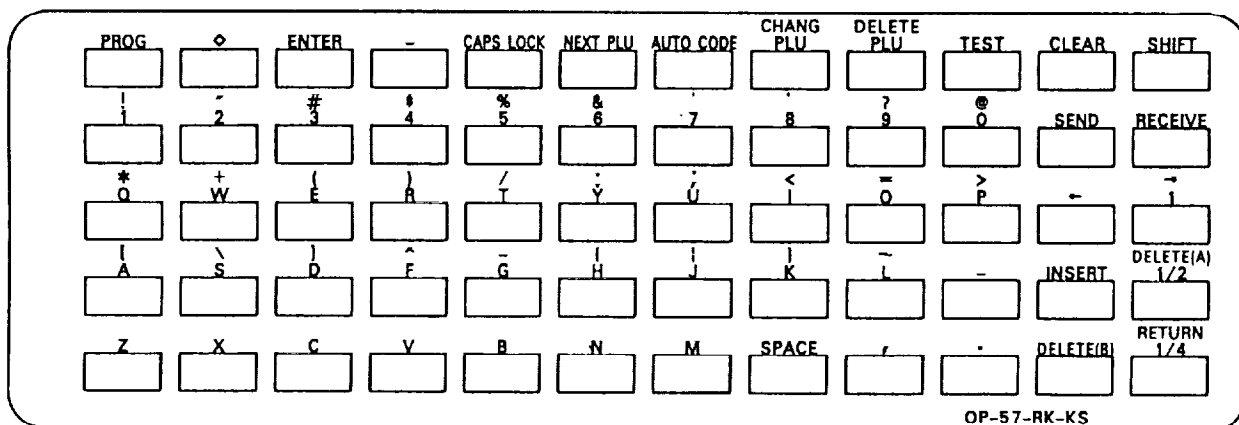
■ SL-5900 Keyboard



■ PC Keyboard

















































■ RK-3 (with OP-57-RK-KS) Keyboard



OP-57-RK-KS

3. PROGRAMMING KEY FUNCTIONS

Key		Function	SL-5900	PC Key	RK-3
CL	Except CL				
		This key allows the clearing of numeric entries prior to the depression of another function key. It is also used to release the scale from the error mode.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to select the upper or lower character indicated on the key top when setting the commodity name or store address.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
		While this key is pressed down, press a character key to set the small letter of alphabet, or upper-case character indicated on the upper area of the key top. When this key is released, the shifted status is cancelled.	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
		This key is used to recall the next PLU # (+ 1) of the PLU # currently recalled.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
		This key is used to recall the PLU # which is registered next to the current recalled PLU #. It is also used to skip the digit when setting the bar code format.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to set the auto code for UPC #.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to store ingredient message setting data temporarily in the work buffer during setting an ingredient message with programming menu #11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to recall the data, which has been stored in the work buffer by the   key.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to change the PLU # currently recalled.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		When a PLU is no longer to be maintained in the PLU file, this key is used to delete such PLU data.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to print out the data set in the currently recalled PLU.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to access each programming menu.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to select selectable items.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		During programming, data is input to the SL-5900 system using this key.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Key		Function	SL-5900	PC Key	RK-3
CL	Except CL				
		This key is used to set the free zone of the auto code for UPC #, back the digit when setting the bar code format, and return the setting line to the first line while setting the second line and during the setting of the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to back the digit when setting the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to skip the digit when setting the commodity name or store address. When setting the unit price for the weighed PLU, this key is used to set the unit price to the price per 100g or kg.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to delete a character when setting the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to insert a space at the digit when setting the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to clear all characters on the current setting line when setting the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		This key is used to move the setting line when setting the commodity name or store address.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Press this key to lock the keyboard into the shifted status. While this key is pressed down, press a character key to set the small letter of alphabet. When this key is released, the shifted status is cancelled.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

NOTE : When the power is turned off or control lock is switched, the PC keyboard or RK-3 keyboard will be initialized to select capital letters.

4. CONTROL LOCK

The control lock has seven marked positions.

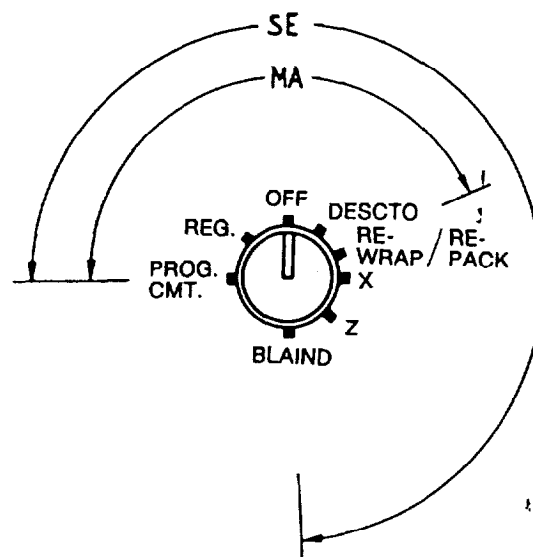
There are two control keys which will operate these locks.



- **Manager Key**
This key (MA) will access the PROG/CMT, REG, OFF, M. DOWN, and REWRAP positions.



- **SE Key**
This key (SE) will access all eight positions.



Each of the following positions on the control lock serves a different function.

Position	Function
PROG. CMT.	This position is used to set the data of the PLU, store address, printing position, date, time, bar code format, etc. It is also used to transfer the PLU file using a CMT loader.
REG.	This position is the normal control lock position which allow the issuance of printed labels.
OFF	This position is used to lock the scale power.
M. DOWN	This position is used to designate an item for discount pricing.
REWRAP	This position is used to designate an item for rewrapping products.
X (Read)	This position is used to read all the accumulated sales totals stored in the total memory. It is also used to list up the setting PLU data.
Z (Reset)	This position is used to reset all item file totals.
BLAIND	This key is not used. (No function.)

5. NOTES BEFORE STARTING PROGRAMMING

- 1) Be sure to plug the power plug into an AC outlet.
- 2) Turn the control lock to "PROG/CMT" position, and the scale will be placed in programming mode.

5.1 Installing PC Keyboard

If you set the data with PC keyboard, connect the PC keyboard plug to the PC keyboard connector. Then check whether the keys on the PC keyboard can enter information properly or not.

NOTE: The PC keyboard has its own particular baud rate. During the initial settings, therefore, make sure to set the SL-5900 baud rate to match the keyboard's baud rate.

5.2 Installing RK-3 Keyboard

If you set the data with RK-3 keyboard, prepare the Programming Keyboard Adapter OP-57-RK-3 (option) and Programming Keyboard RK-3 (option).

- 1) Connect the plug of the OP-57-RK-3 to the PC keyboard connector.
- 2) Connect the RK-3 keyboard connector to the OP-57-RK-3 connector.
- 3) Attach the key-sheet OP-57-RK-KS (accessory of OP-57-RK-3) to the RK-3 keyboard.
- 4) Check whether the keys on the RK-3 keyboard can enter information properly or not.

6. PROGRAMMING PROCEDURES

● Selection of Programming Menu

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	ON-LINE	ERROR
1	Turn the control lock to "PROG/CMT" position.		P			
2	Select the menu #. (Refer to table 1.)		P	n	Menu #.	
3	Depress the PROG key.		Pn	↑		
4	Start the programming.					
5	Depress the PROG key. (Finish)		P	n		
6	Return the step #2 or select another mode.					

■ Table 1 : Programming Menu Numbers and Their Functions

Menu No.	Item
0	Changing Unit Price
1	Setting or Changing PLU Data
2	Setting Store Address or Commercial Message
3	Adjusting Print Position for Label
4	Setting Date, Time, Machine Number, and Store Number
5	CMT Operations
7	Setting Bar Code Format
8	Assigning Speed Keys
11	Setting Ingredient (for SL-5900-□6 type only)
12	Issuing Confirmation Label (for SL-5900-□5/□6 type only)
13	Switching On-Line/Off-Line (for SL-5900-□5/□6 type only)
17	Setting Grade Line (for SL-5900-□6 type only)
18	Memory Card (for SL-5900-□6 type only)
20	Transmitting PLU File or Unit Price Address or Speed Key (FUN System)
21	Setting Clerk Name (for SL-5900-□6 only)
22	Setting Receipt Message
40	Setting Print Item ON/OFF #1
41	Setting Print Item ON/OFF #2
42	Setting Average Resistance of Print Head
99	RAM Clear

Menu No. 0

● **Changing Unit Price**

The unit price or price in the PLU that is previously stored can be changed with this menu.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	ERROR
<p>Menu #.</p> <div style="text-align: center; border: 1px solid black; width: 30px; margin: 0 auto; padding: 2px;">0</div> <p style="text-align: center;">↓</p> <div style="text-align: center; border: 1px solid black; width: 60px; margin: 0 auto; padding: 2px;">PROG.</div> <p style="text-align: center;">↓</p> <div style="display: flex; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">0</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div> </div> <p style="text-align: center;">↓</p> <div style="text-align: center; border: 1px solid black; width: 60px; margin: 0 auto; padding: 2px;">ENTER</div> <p style="text-align: center;">↓</p> <div style="display: flex; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">2</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">5</div> </div> <p style="text-align: center;">↓</p> <div style="text-align: center; border: 1px solid black; width: 60px; margin: 0 auto; padding: 2px;">ENTER</div> <p style="text-align: center;">↓</p> <div style="text-align: center; border: 1px solid black; width: 60px; margin: 0 auto; padding: 2px;">TEST</div> <p style="text-align: center;">↓</p> <div style="text-align: center; border: 1px solid black; width: 60px; margin: 0 auto; padding: 2px;">PROG.</div> <p style="text-align: center;">(Select another menu or mode.)</p>		<p>P</p> <p>P0</p> <p>P0</p> <p>P0</p> <p>P0</p> <p>P0</p> <p>P</p>	<p>0</p> <p>31</p> <p>101</p> <p>1.50</p> <p>1.25</p> <p>101</p> <p>0</p>		
					<p>← The smallest PLU# in the memory is displayed.</p>

NOTES:

1. Recalling a PLU# that has not been stored in the PLU file will result in an error.
2. It is not available to change the unit price of a PLU if it has been set to "open price".

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	I N L I N E	E R R O R
<p>1</p> <p>Commodity name. B E E F</p> <p>2nd line setting. RETURN 1/4 SPACE 1st line setting.</p> <p>L I V E R</p> <p>ENTER</p> <p>Quantity. BY COUNT In what mode is PLU used? WEIGH or FIX (US only)</p> <p>3</p> <p>ENTER</p> <p>Unit price or price. Open price.</p> <p>1 5 0</p> <p>ENTER</p> <p>Unit price flag. Q'ty > 0 Q'ty ≥ 0 Q'ty = 0 (per lb or kg)</p> <p>(for US) DELETE 1/2 (per 1/2 lb)</p> <p>(for US) RETURN 1/4 (per 1/4 lb)</p> <p>(for CA/SG) 1 (per 100g)</p> <p>ENTER</p> <p>2</p> <p>(continued on next page)</p>		P1 3	1 4		
		P1 3	1 5		
		P 2	0		
		P1 3	1 10		
		P1 4	0		
		P1 4	3		
		P1 4	0.00		
		P1 4	1.50		
		P1 4	L-1		
		P1 4	L-2		
		P1 4	L-4		
		P1 4	L-100		
		P1 5	0		

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
<p>Shelf life.</p> <p style="text-align: center;">2</p> <p style="text-align: center;">3</p> <p style="text-align: center;">ENTER</p> <p>Q'ty > 0</p> <p style="text-align: center;">Q'ty ≥ 0</p> <p style="text-align: right;">Q'ty = 0</p> <p>No (standard)</p> <p style="text-align: center;">Can a tare weight be set?</p> <p style="text-align: right;">Yes (option)</p> <p>Tare weight.</p> <p style="text-align: center;">2 0</p> <p style="text-align: center;">ENTER</p> <p>No (standard)</p> <p style="text-align: center;">Can a PLU mode flag be selected?</p> <p style="text-align: right;">Yes (option)</p> <p>WEIGH mode</p> <p style="text-align: center;">0</p> <p>BY COUNT mode</p> <p style="text-align: center;">1</p> <p>FIX PRICE mode (for US only)</p> <p style="text-align: center;">2</p> <p style="text-align: center;">ENTER</p> <p style="text-align: center;">PROG.</p> <p style="text-align: center;">(Select another menu or mode.)</p>		P1 5	3		
	P1	6	0.20	← for US.	
	P1	6	0.020	← for CA.	
	P1	7	0		
	P1	7	0		
	P1	7	1		
	P1	7	2		
	P1	1	101		
	P		1		

NOTES:

1. The commodity name can be set in two lines. Each line can contain up to 26 characters including spaces. Before setting the second line, depress the RETURN key.
2. When the quantity is 1 or more (PLU in BY COUNT mode), the unit price flag is skipped automatically.
3. When the quantity is 1 or more (PLU in BY COUNT mode), the tare weight setting is skipped automatically even if the tare weight setting has been enabled.

■ Changing PLU Number

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	IN LINE	ERROR
Menu #.		P	1		
		P1 1	31		
		P1 9			
Current PLU#.		P1 9	33		
		P1 9	-		
New PLU#.		P1 9	35		
		P1 1	35		
		P	1		

1

PROG.

CHANGE PLU

3 3

ENTER

3 5

ENTER

◀ a

PROG.

(Select another menu or mode.)

- NOTES:**
1. It is not available to change to a PLU# which has already been used in the PLU file.
 2. The PLU number cannot be changed unless the PLU# is reset.

■ Deleting PLU Data

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	INCHES	PRICE
Menu #.		P	1		
1					
PROG.		P1 1	31		
DELETE PLU		P1 8			
PLU#.		P1 8	103		
1 0 3					
ENTER		P1 1	31		
◁ a					
PROG.					
(Select another menu or mode.)					

NOTE: All the data programmed for PLU#103 in the PLU file is deleted. If the scale goes into error during a PLU deletion, it has not been reset or PLU# designated in the above procedure had not been preset in the PLU file.

Menu No. 2

● Setting Store Address or Commercial Message

With the SL-5900 scale, the store address or a commercial message can be set in the memory.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	MEMORY
Menu #. <div style="text-align: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">2</div> <div style="margin: 5px 0;">↓</div> <div style="border: 1px solid black; width: 60px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">PROG.</div> <div style="margin: 5px 0;">↓</div> <div style="border: 1px solid black; width: 120px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Enter the address or commercial message. </div> <div style="margin: 5px 0;">↓</div> <div style="border: 1px solid black; width: 60px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">PROG.</div> <p style="margin-top: 5px;">(Select another menu or mode.)</p> </div>		P	2		
		P2	1 0		
		P	2		

NOTE: The store address or a commercial message can be set in two lines. Each line can contain up to 26 characters including spaces. Before setting the second line, depress the RETURN key.

Menu No. 4

● **Setting Date, Time, Machine Number, and Store Number**

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	ERROR
Menu #.		P	4		
3					
PROG.		P4	1	113089	← Current setting date
Date. (ex. Dec. 1, 1989)				12	
1 2	Month (01~12)				
0 1	Day (01~31)			1201	
8 9	Year (00~99)			120189	
ENTER		P4	2	800	← Current setting time.
Time. (ex. 15 : 30)				15	
1 5	Hour (00~23)				
3 0	Minute (00~59)			1530	
ENTER		P4	3		
Machine #.		P4	3	16	
1 6					
ENTER		P4	4		
Store #.		P4	4	7	
7					
ENTER		P4	1	120189	
PROG.		P		4	
(Select another menu or mode.)					

NOTES:

1. Express all time in a 24 hour military format.
2. The SL-5900 will check details of date (time) input, and any wrong date (time) will result in an error mode. The correct date (time) should be re-entered after depressing the CLEAR key.

Menu No. 5

● **CMT Operations**

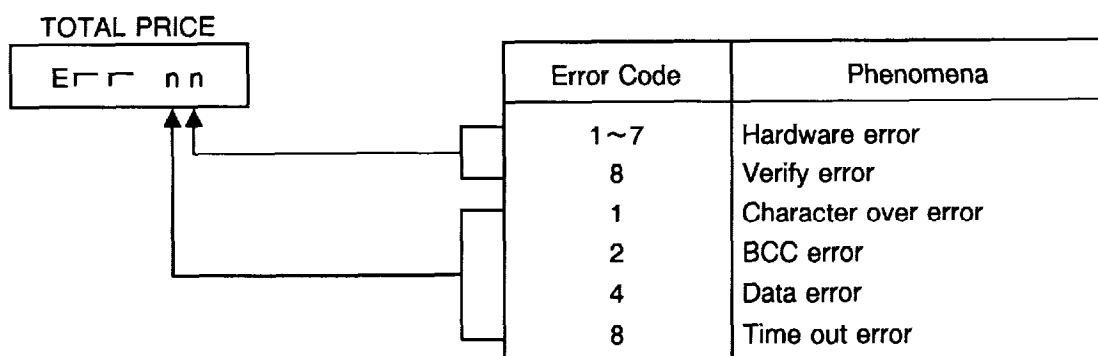
The SL-5900 is designed to interface with a Cassette Magnetic Tape loader. The CMT loader allows the transfer of the entire PLU file from the SL-5900 to magnetic tape. This can be accomplished in a number of operation steps. In turn, information from the magnetic tape can also be transferred to another SL-5900.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	NET	FEEDBACK	I N L I N E	E R R O R
Menu #.		P	5				
5							
PROG.		P5					
Load the tape into the CMT loader.							
SAVE (5900→CMT)		P5	1				
VERIFY (5900 = CMT)		P5	2				
LOAD (5900←CMT)		P5	3				
VERIFY (5900 = CMT = SL66)		P5	12				
(for SL-5900-□5/□6)							
LOAD (5900←CMT←SL66)		P5	13				
(for SL-5900-□5/□6)							
Rewind the Tape.		P5	P	n	(n = 1~3, 12, or 13)		
ENTER							
PROG.		P	5				
(Select another menu or mode.)							

NOTES:

1. The error mode can be released by depressing the CLEAR key, and operated again through the above steps.
2. Use the metal cassette tape which is commercially available and has a capacity of 45 or 60 minutes recording.
3. For operations of the CMT loader, refer to the instruction manual provided with the CMT loader.

■ Error Code during CMT Operations



● PL-3 Operations

Connect the PL-3 to the SL-5900 by using RS-232C, then turn the power of the SL-5900 and the PL-3 on.

Insert a data disc into the PL-3 and adjust the transmission rate to the SL-5900 (7 2 : 4800 BPS or 7 3 : 2400 BPS) by using the rotary SW.

Press the 5 key of the PL-3, then check whether the SAVE LED is on.

Program the file number of the data disc by using the rotary switch.

(4 1 : File No.1, 4 2 : File No.2, 4 8 : File No.8, 4 9 : File No.9)

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	ENTER	ERROR
<div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">5</div> <div style="border: 1px solid black; width: 60px; margin: 5px auto; text-align: center; padding: 2px;">PROG.</div> <div style="border: 1px solid black; width: 150px; margin: 5px auto; text-align: center; padding: 2px;">Load the Floppy Disk the Program Loader.</div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="width: 40%;"> <p>SAVE (SL-5900→PL-3)</p> <p>SAVE or LOAD Comparison (SL-5900=PL-3)</p> <p>LOAD (SL-5900←PL-3)</p> <p>VERIFY (SL-5900=PL-3=SL-66)</p> <p>LOAD (SL-5900←PL-3←SL-66)</p> <p>Press either SAVE or LOAD key on the PL-3.</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px;">SAVE</div> <div style="font-size: 20px;">or</div> <div style="border: 1px solid black; padding: 5px;">LOAD</div> </div> <p>Press ENTER key on the SL-5900 (See NOTES:1)</p> <div style="border: 1px solid black; width: 60px; margin: 5px auto; text-align: center; padding: 2px;">ENTER</div> <div style="border: 1px solid black; width: 60px; margin: 5px auto; text-align: center; padding: 2px;">PROG.</div> <p style="font-size: small;">(Select another menu or mode.)</p> </div> <div style="width: 40%; text-align: center;"> <div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">1</div> <div style="border: 1px solid black; width: 30px; margin: 5px auto; text-align: center; padding: 2px;">2</div> <div style="border: 1px solid black; width: 30px; margin: 5px auto; text-align: center; padding: 2px;">3</div> <div style="display: flex; justify-content: center; gap: 5px; margin: 5px auto;"> <div style="border: 1px solid black; width: 30px; text-align: center; padding: 2px;">1</div> <div style="border: 1px solid black; width: 30px; text-align: center; padding: 2px;">2</div> </div> <div style="display: flex; justify-content: center; gap: 5px; margin: 5px auto;"> <div style="border: 1px solid black; width: 30px; text-align: center; padding: 2px;">1</div> <div style="border: 1px solid black; width: 30px; text-align: center; padding: 2px;">3</div> </div> </div> </div>					
	P		5		
		P5			
		P5	1		
		P5	2		
		P5	3		
		P5	12		
		P5	13		
		SAVE:	<div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">4</div> <div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">0</div> <p style="font-size: x-small;">7 seg. display</p>		
		LOAD/COMPARE:	<div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">3</div> <div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">0</div> <p style="font-size: x-small;">7 seg. display</p>		
			<div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">0</div> <div style="border: 1px solid black; width: 30px; margin: 0 auto; text-align: center; padding: 2px;">0</div> <p style="font-size: x-small;">7 seg. display</p>		
		P	5		

- NOTES:**
1. In the event Enter Key is not depressed within 10 seconds after **SAVE** or **LOAD** Key is depressed, the Time Out Error results.
 2. After depressing the **ENTER** key, the operation ends when "00" appears in the 7 seg.display and LAMP goes off. Remove the data disc and turn the power off.
 3. Be sure to start up the PL-3 before this procedure.

■ Error Code during PL-3 Operations

7SEG. LED



Error Code		Phenomena	Error Code		Phenomena
1	0	FDC ERROR	3	7	FRAMING ERROR
	1	NO FDK ERROR		8	PARITY ERROR
	2	UNAVAILABLE FDK ERROR	E	0	DATA ERROR
	3	DISCREPANCY ERROR		1	STATUS ERROR
	4	FDK MEMORY FULL ERROR		2	TIME OUT ERROR
	5	WRITH PROTECT ERROR		3	FDK READ/WRITE ERROR
	6	NO SEARCH FILE ERROR		F	INCORRECT KEY ERROR
3	0	LOAD	F	0	RAM READ/WRITE ERROR
	1	TIME OUT ERROR		1	ROM CRC ERROR
	2	LOAD ERROR		2	RAM BACK UP BATTERY ERROR
	3	FDK ERROR		3	FDC DIAG LEVEL 0 ERROR
	4	BUSY		E	SYSTEM FDK LOADING ERROR
	5	POWER FAIL ERROR		F	SYSTEM ERROR
	6	OVERRUN ERROR			

- NOTES:**
1. When the error code in FF, this system enters stop status. (Turn the power off/on for release.)
 2. When the error code is F2 or FE, perform the status clear (**9 9**).

Menu No. 7

● Setting Bar Code Format

With the SL-5900 scale, three kinds of bar code formats are available : Weighing format, By Count format, and the FIX PRICE format (for US only). These formats can be changed freely.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	--N-- PENN	P C O U N T P R I C E
Menu #.		P	7		
		PROG.			
Menu #.		P7			
WEIGH mode.		P7	1		
BY COUNT mode.		P7	2		
FIX PRICE mode. (for US only)		P7	3		
		ENTER			
Switch over the setting item		◇ ◇			
Skip the digit.		NEXT PLU			
		NEXT PLU			
Set C1.		1			
Set C2~C6.		2 3 4 5 6			
		◇ ◇			
Set P1~P4.		1 2 3 4			
		ENTER			
		← C			
		PROG.			
		P			
			7		
(Select another menu or mode.)					

NOTES:

1. In this scale, the previously set bar code format is cleared by RAM clear, and can be switched to the following formats. Therefore, it is necessary to set the bar code format again after RAM clear.

Bar Code Format by Initialization:

① Weighing format

0	2	C2	C3	C4	C5	C6	PC/D	P1	P2	P3	P4	C/D
---	---	----	----	----	----	----	------	----	----	----	----	-----

② By Count Format

0	0	0	C2	C3	C4	C5	0	0	0	0	C6	C/D
---	---	---	----	----	----	----	---	---	---	---	----	-----

③ Fix Price Format (for US/CL only)

0	2	C2	C3	C4	C5	C6	PC/D	P1	P2	P3	P4	C/D
---	---	----	----	----	----	----	------	----	----	----	----	-----

④ RECEIPT Format (for SL-5900-□6 type only)

0	2	D1	D2	D3	D4	D5	PC/D	P1	P2	P3	P4	C/D
---	---	----	----	----	----	----	------	----	----	----	----	-----

2. When the **ENTER** key is depressed, format check is executed, resulting in an error in the following cases.

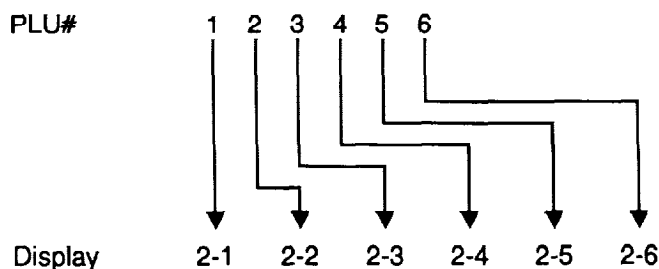
- ① Price check digit (PC/D) cannot be calculated.
- ② Price is not set serially beginning from P1.
- ③ The format does not comply with the bar code format.

3. Check digit (C/D) is set automatically to the digit-13.

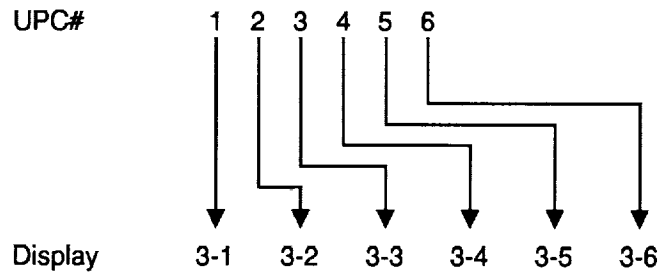
4. The usable keys to set the column are as follows:

FLAG		0	~	9
PLU#	H	1	~	6
UPC#	C	1	~	6
PC/D		1		
PRICE	P	1	~	6
DEPT# (for SL-5900-□6 only)	D	1	~	5
WEIGHT	W	1	~	5

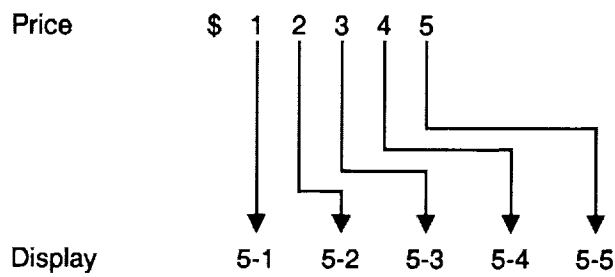
5. Digits and display of PLU#.



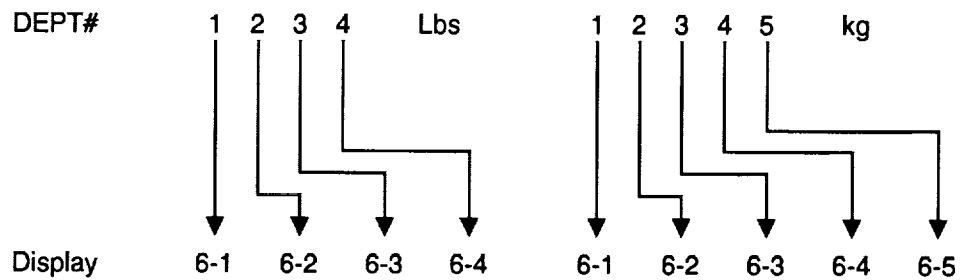
6. Digits and display of UPC#.



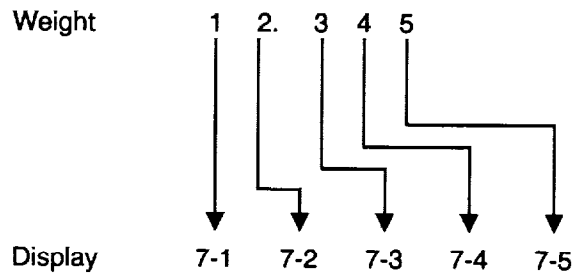
7. Digits and display of price.



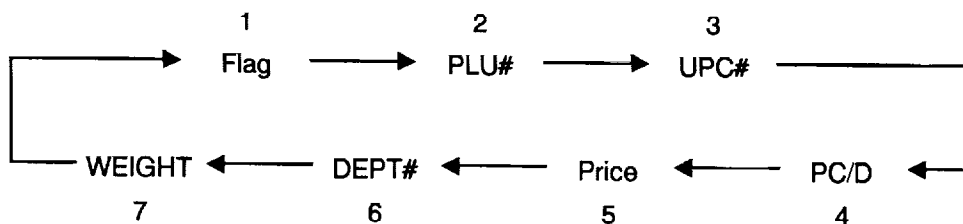
8. Digits and display of DEPT#.



9. Digits and display of Weight.



10. Setting items.



Menu No. 8

● Assigning Speed Keys

The SL-5900 has 60 PLU speed keys which are very convenient to call a PLU quickly.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	STORE
Menu #.		P	8		
		PROG.			
Speed key #. (1~60)		P8			
		1 0	10		
		ENTER			
PLU#.		P8 10			
		8 2 9	829		
		ENTER			
		PROG.			
		P	8		
		(Select another menu or mode.)			

NOTE: When "0" is set on the speed key, if this speed key is pressed in the REG, MARK DOWN, or REWRAP mode, the scale enters an error mode.

Menu No. 11

● **Setting Ingredient (for SL-5900-□6-US/CA/MX/CL type)**

6 lines Ingredient message can be printed on a label with up to 45 characters with small sized letter.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	ERROR
Menu #.		P	11		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">1</div>					
<div style="border: 1px solid black; padding: 2px; display: inline-block;">PROG.</div>		P11			
		P11			
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">CLEAR</div>					
Enter the PLU#		P11	1234		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">3</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">4</div>					
Call the next PLU#.		P11	1235		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">NEXT PLU</div>					
Call the previous PLU#.		P11	1233		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">—</div>					
<div style="border: 1px solid black; padding: 2px; display: inline-block;">ENTER</div>		P11	1	0	
Store the Ingredient Message.		P11	1	12	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">SEND</div>					
Call the Stored Ingredient Message.		P11	1	12	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">RECEIVE</div>					
Commodity Name					
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">B</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">U</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">T</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">T</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">E</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">R</div>		P11	1	4	
Set the data on the second line and subsequent.					
<div style="border: 1px solid black; padding: 2px; display: inline-block;">RETURN 1/4</div>					
<div style="border: 1px solid black; padding: 2px; display: inline-block;">ENTER</div>		P11		1234	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">PROG.</div>		P		11	
(Select another menu or mode.)					

● **Setting Ingredient (Except SL-5900-□6-US/CA/MX/CL type)**

6 lines Ingredient message can be printed on a label with up to 45 characters with small sized letter.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	MIN	MAX
Menu #.		P	11		
1 1					
PROG.		P11 1			
CLEAR		P11 1			
Enter the TABLE		P11 1	1234		
1 2 3 4					
Call the next TABLE		P11 1	1235		
NEXT PLU					
Call the previous TABLE		P11 1	1233		
—					
ENTER		P11 2 1	0		
Store the Ingredient Message.		P11 2 1	12		
SEND					
Call the stored Ingredient Message.		P11 2 1	12		
RECEIVE					
Commodity Name					
B U T T E R					
Set the data on the second line and subsequent.					
RETURN 1/4					
ENTER		P11 3	1234		
1					

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	PRICE
<p>1</p> <p>CLEAR</p> <p>1 0 0 1</p> <p>NEXT PLU</p> <p>—</p> <p>RETURN 1/4</p> <p>ENTER</p> <p>Enter the PLU#.</p> <p>Call the next PLU#.</p> <p>Call the previous PLU#.</p>		P11 3			
<p>DELETE PLU</p> <p>2 3 4 5</p> <p>ENTER</p> <p>Delete the TABLE#.</p> <p>Enter the TABLE#.</p>		P11 4	1001		
<p>PROG.</p> <p>(Select another menu or mode.)</p>		P11 3	1002		
		P11 3	1000		
		P11 3			
		P11 1			
		P11 4	2345		
		P11 4	1		
		P	11		

- NOTES:**
- 1 to 9999 can be set for the Table#. (Except US, CA, MX, CL type)
 - Set the PLU# and press the **ENTER** key, then set the Table# in the PLU file. (Except US, CA, MX, CL type)
 - To set the Table# in plural number of PLUs, press the **RETURN** key to enter the Table# in the next PLU. (Except US, CA, MX, CL type)
 - Ingredient data cannot be saved into CMT, PL-3 and RAM card for the SL66..
 - This setting function can be used only after designating the PLU# by initial set 9-6, 7 and 8, and selecting RAM capacity by initial set 14-4 and 5 to secure a memory space. Data may be damaged if the initial set is changed during ingredient setting.

Initial Set 9

8	7	6	PLU#
0	0	0	400
0	0	1	680
0	1	0	960
0	1	1	1240

Initial Set 14

5	4	RAM Capacity
0	0	PLU 1240/Ing. 0
0	1	PLU 960/Ing. 116
1	0	PLU 680/Ing. 232
1	1	PLU 400/Ing. 348

- Ingredient file cannot be transferred in the FUN system. (Except US, CA, MX, CL type)
- When no data is programmed for the PLU, ingredient cannot be set.
- "PLU NOT FOUND" error occurs when PLU# not registered is entered.
- The ingredient to be used for SEND or RECEIVE is cleared when entering this mode.
- "MEMORY FULL" error occurs when there is no memory space to register ingredient data.
- To set the Table# of ingredient only, press the **ENTER** key without setting the PLU#. (Except US, CA, MX, CL type)
- When the Table# is deleted by pressing the **DELETE PLU** key, the Table# in the PLU file is not deleted. (Except US, CA, MX, CL type)
- To delete the Table# in the PLU file, call the PLU# and press the **DELETE 1/2 (A)** key. By pressing the **DELETE (B)** key, the Table# in all PLU files is deleted. (Except US, CA, MX, CL type)
- Plural PLUs cannot use same ingredient data. (PLU and ingredient data are in pairs.) (for US, CA, MX, CL type)
- Any terminal in FUN System can transfer PLU and its ingredient data in pairs to other terminals. (for US, CA, MX, CL type)

Menu No. 12

● **Issuing Confirmation Label (for SL-5900-□5/□6 type)**

Test labels used to confirm that a PLU previously present to this scale is present in the master file of the POS system, can be issued.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	I N L I N E	E R R O R
<p>Menu #.</p> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">2</div> </div> <p style="text-align: center; margin: 5px 0;">↓</p> <div style="border: 1px solid black; padding: 2px 5px; width: 100px; margin: 0 auto;">PROG.</div> <p style="text-align: center; margin: 5px 0;">↓</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>Set the individual PLU #.</p> <p>Set the block PLU #. (Ex. 820~829)</p> <p>Set the zone PLU #. (Ex. 100~303)</p> <p>Set the entire PLU #.</p> </div> <div style="width: 55%;"> <div style="display: flex; justify-content: space-around; width: 100px; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> </div> <div style="display: flex; justify-content: space-around; width: 100px; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">8</div> <div style="border: 1px solid black; padding: 2px 5px;">2</div> <div style="border: 1px solid black; padding: 2px 5px;">◇</div> </div> <div style="display: flex; justify-content: space-around; width: 100px; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> </div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="border: 1px solid black; padding: 2px 5px; font-size: 8px;">NEXT PLU</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> </div> </div> </div>		P	12		
		P12			
		P12	100		
		P12	82-		
		P12	100		
		P12	303		
<p style="text-align: center; margin: 0 0 10px 0;">ENTER</p> <p style="text-align: center; margin: 0 0 10px 0;">↓</p> <div style="border: 1px solid black; padding: 2px 5px; width: 100px; margin: 0 auto;">The confirmation labels are issued.</div> <p style="text-align: center; margin: 5px 0;">↓</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>To interrupt label issue.</p> <p>To resume label issue which has been interrupted.</p> <p>To cancel label issue which has been interrupted.</p> </div> <div style="width: 55%;"> <div style="border: 1px solid black; padding: 2px 5px; width: 100px; margin-bottom: 5px; text-align: center;">CLEAR</div> <div style="display: flex; justify-content: space-around; width: 100px; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 2px 5px; width: 40%; text-align: center;">ENTER</div> <div style="border: 1px solid black; padding: 2px 5px; width: 40%; text-align: center;">CLEAR</div> </div> </div> </div> <p style="text-align: center; margin: 5px 0;">↓</p> <div style="border: 1px solid black; padding: 2px 5px; width: 100px; margin: 0 auto;">PROG.</div> <p style="text-align: center; margin: 5px 0;">↓</p> <p>(Select another menu or mode.)</p>		P	12		

Menu No. 13

● Switching On-Line/Local (for SL-5900-□5/□6 type)

When the SL-5900-35 is used as a satellite in an on-line system, the "ID No." and "Transmission Delay Time" must be set by the following procedure.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	ON-LINE	LOCAL
Menu #.		P	13		
		P130F			
Switch the using mode of the scale.		P13t3	ld		
Enter the ID #. (0~255)		P13t3	ld	50	
		P13t3	tr		
Select the transmission delay time (1~9). (Refer to table 2)		P13t3	tr	3	
		P13t3	ld	50	
		P	13		
(Select another menu or mode.)					

NOTE: The TMCC-3 baud rate can only be 4800 BPS.

■ **Table 2 : Transmission Delay Time Table**

	TR-Time (ms)		TR-Time (ms)
1	20~39	6	120~139
2	40~59	7	140~159
3	60~79	8	160~179
4	80~99	9	180~199
5	100~119		

Menu No. 17

● **Setting Grade Line (for SL-5900-□6 only)**

You can set the maximum 49 kinds of grade line (26 character per line), and call one of them to print it to on the label.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	FORM		
Menu #.		P	17				
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> </tr> </table>	1	7					
1	7						
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">PROG.</td> </tr> </table>	PROG.		P17				
PROG.							
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> </tr> </table>	1	0		P17	10		
1	0						
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">ENTER</td> </tr> </table>	ENTER		P17				
ENTER							
Enter the grade line #. (1~49)		P17	11				
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">Enter the characters. (max. 26 chara./line)</td> </tr> </table>	Enter the characters. (max. 26 chara./line)						
Enter the characters. (max. 26 chara./line)							
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">ENTER</td> </tr> </table>	ENTER		P17				
ENTER							
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">PROG.</td> </tr> </table>	PROG.		P	17			
PROG.							

Menu No. 18

● **Memory Card**

PLUs are saved, compared, and loaded by using the memory card (128KB).

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	MIN	MAX
Menu #. 1 8		P	18		
PROG		P18			
a → PLU Save	1	P18	1		
PLU Compare	2	P18	2		
PLU Load	3	P18	3		
ING Save (*)	4	P18	4		
ING Compare (*)	5	P18	5		
ING Load (*)	6	P18	6		
Data display	2 0	P18	20		
ENTER		P18	CHANGE		
NEXT PLU 1 CLEAR		P18	1		
		↓			
		P18			
Format Clear	8 0	P18	80		
PLU Clear	9 8	P18	98		
ING Clear (*)	9 9	P18	99		
ENTER		P18	SurE		
Y N CLEAR		P18	n		(n = 80 or 98)
a →		↓			
PROG.		P18			

NOTE: (*) cannot be used for US/CA/MX/XL type.

- NOTES:**
1. If the PLU file cannot be saved into one memory card, the program will display the message "INS ANOTHER CARD". Then, replace the memory card and press the **ENTER** key so that the following data will be saved. For cancellation, press the **CLEAR** key.
 2. Comparison of the PLUs stored in the memory card and those in the scale terminates normally even if other PLUs are left in the scale memory. Even if the PLU data of the scale ends, a data error results if other data is left in the memory card.
 3. Of the PLUs stored in the memory card in loading the PLU file, the data found in the scale memory is overwritten and the data not found in it is added.

● Error Information

Error Information		Input Key No.							Error Title
		1	2	3	20	80	98		
Error Information 1	No memory card is found or the card is defective.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			MEMORY CARD N.G.
	Unformatted or battery error.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				NO FORMAT OR BATT
	The card disappeared in the middle of processing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					NO MEMORY CARD
	The memory card is full (nothing has been saved).	<input type="radio"/>							MEMORY CARD FULL
Error Information 2	Format error (no PLU file is found in the memory card.)		<input type="radio"/>	<input type="radio"/>					FORMAT ERROR
	Data Error		<input type="radio"/>						DATA ERROR
	No. of logos mismatched								DIFF. # OF DATA

Menu No. 20

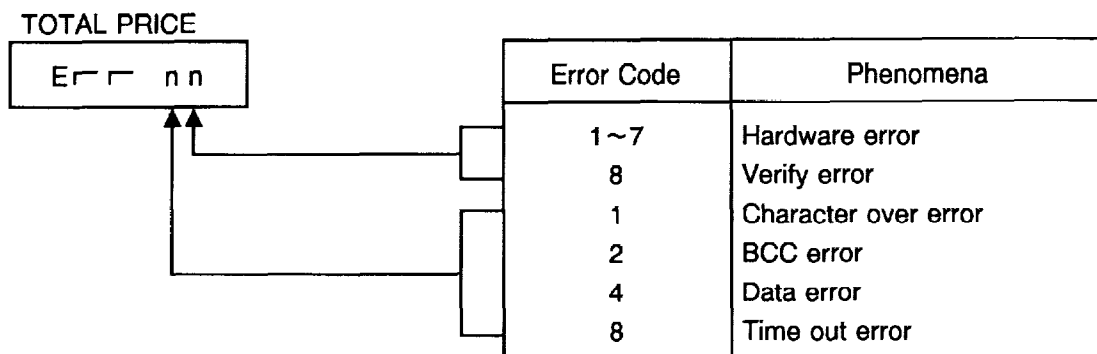
● **Transmitting PLU File, Unit Price, Address or Speed Key (FUN System)**

Any terminal in the FUN system can transfer the data of its PLU file or unit price to other terminals for verification. In this case, the destination terminal (s) must be set in the REG mode.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	I N L I N E	E R R O R
Menu #.		P	20		
	2 0				
	PROG.	P20			
Transmit PLU and Ingredient.	1	P20	1		
Transmit unit price.	2	P20	2		
Transmit Address.	3	P20	3		
Transmit Speed Key.	4	P20	4		
Verify PLU and Ingredient.	1 1	P20	11		
Verify unit price.	1 2	P20	12		
Verify Address.	1 3	P20	13		
Verify Speed Key.	1 4	P20	14		
	ENTER	P20	P nn	▼	
		P20	↓		
	PROG.	P	20		
(Select another menu or mode.)					

- NOTES:**
1. When the PLU data has been changed using menu #1 and the data is to be transferred to other terminals through the operating procedure described above, the PLU file transfer is performed.
 2. When the unit price has been changed using menu #0 and the unit price is to be transferred to other terminals through the operating procedure described above, the unit price transfer is performed.
 3. While receiving data, the terminals stop all operations.

■ Error Code during Transmitting

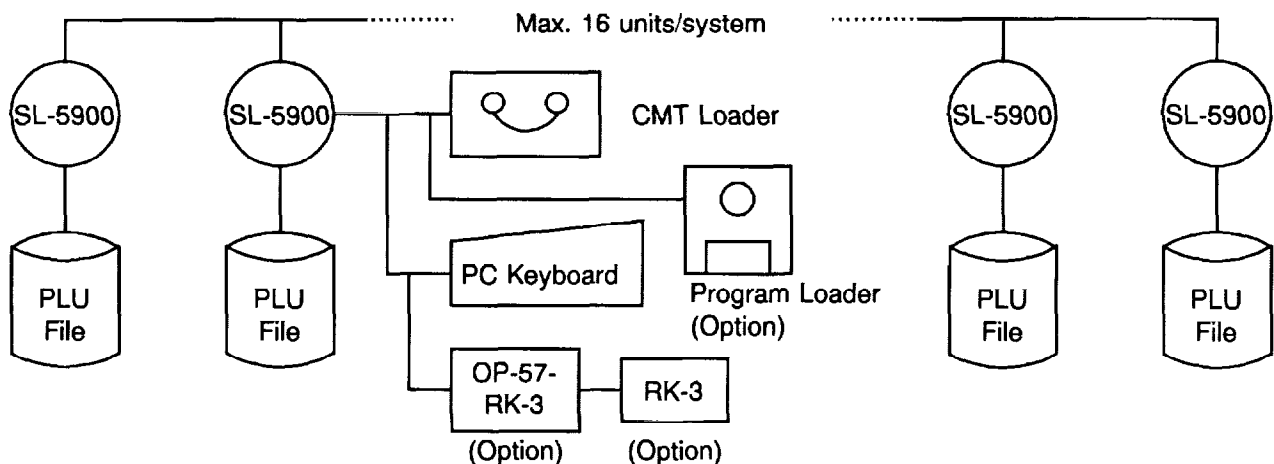


All errors occur in the receiving terminal. The error mode can be released by depressing the CLEAR key, then attempt to transmit again.

■ FUN System

The SL-5900 is based on the FUN (File Update Network) system, which is a simplified networking system unique to TEC. This system can accommodate up to 16 terminals as a multi-drop, and allows any terminal in the system to transfer its PLU file or UNIT PRICE data to other terminals for verification.

■ System Configuration



Control Procedure : FUN (File Update Network) ... Multi-drop
 Transmission Speed : 4800 BPS
 Number of unit/system : Max. 16 units

Menu No. 22

- **Setting Report Message (for SL-5900-□ 6 only)**

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	ERROR		
Menu #.							
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> </tr> </table>	2	2		P	22		
2	2						
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">PROG.</td> </tr> </table>	PROG.		P22	1	0		
PROG.							
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">RETURN</td> </tr> </table>	RETURN		P22	2	0		
RETURN							
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">-</td> </tr> </table>	-		P22	1	0		
-							
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Enter the Report Message</td> </tr> </table>	Enter the Report Message		P22	1	12		
Enter the Report Message							
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">PROG.</td> </tr> </table>	PROG.		P		22		
PROG.							

NOTE: The report message can be set in three lines. Each line can contain up to 26 characters including spaces.

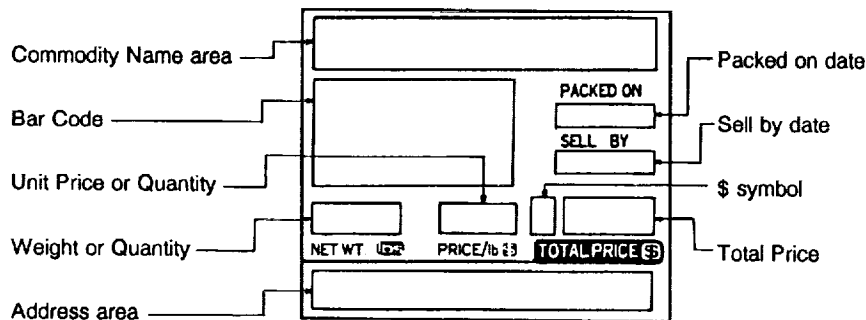
Menu No. 40

● Setting Print Item ON/OFF #1

The setting specifies whether each print item on the registered labels is to be printed or not.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	I N L I N E	E R R O R
Menu #.		P	40		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">4</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">PROG.</div>		P40	00000		
Packed on date.		P40	00001		
Sell by date.		P40	00010		
Commodity name.		P40	00100		
Address.		P40	01000		
Bar Code.		P40	10000		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 2px;">PROG.</div> (Select another menu or mode.)		P	40		

[Position of Print Item]



Menu No. 41

● **Setting Print Item ON/OFF #2**

The setting specifies whether each print item on the registered labels is to be printed or not.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	LINE	ERROR
<p>Menu #.</p> <div style="text-align: center;"> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px;">4</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px;">1</div> </div> <div style="text-align: center; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px 10px;">PROG.</div> </div>		P	41		
<p>Unit price.</p>		P41	00000		
<p>Weight.</p>		P41	00010		
<p>Total price.</p>		P41	00100		
<p>\$ symbol.</p>		P41	01000		
<p>Quantity.</p>		P41	10000		
<div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px 10px;">PROG.</div> <p>(Select another menu or mode.)</p> </div>		P	41		

Menu No. 42

● **Setting Average Resistance of Print Head**

Setting the average resistance peculiar to the thermal print head provides the optimum print quality. After replacing the print head, be sure to set the resistance by following procedures.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	I N L I N E	E R R O R
<p>Menu #.</p> <div style="text-align: center;"> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">4</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">2</div> </div> <p style="text-align: center;"> </p> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">PROG.</div> <p style="text-align: center;"> </p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Enter the average resistance for new head. </div> <p style="text-align: center;"> </p> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">PROG.</div> <p style="text-align: center;"> </p> <p>(Select another menu or mode.)</p>		P	42		
		P42	503		
			↑	Current setting data	
		P	42		

Menu No. 99

● RAM Clear

Upon completion of RAM clear, the programmed data and the total memory will be cleared except the initial set data.

Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	N	L	P	R	P	R	P
Menu #.		P	99							
		P99								
Code keys.		P99	1235							
		P99	1235nn							Refer to NOTE
	00000	00000	00000							
		P99								
		P	99							

NOTES: 1. National number for RAM Clear

00: US	05: NL	09: PO	14: CL
01: CA	06: BE	10: GR	30: NZ (Retail)
02: MX	07: SW	11: SA	31: NZ (Prepack)
03: AU	08: NR	12: SG	

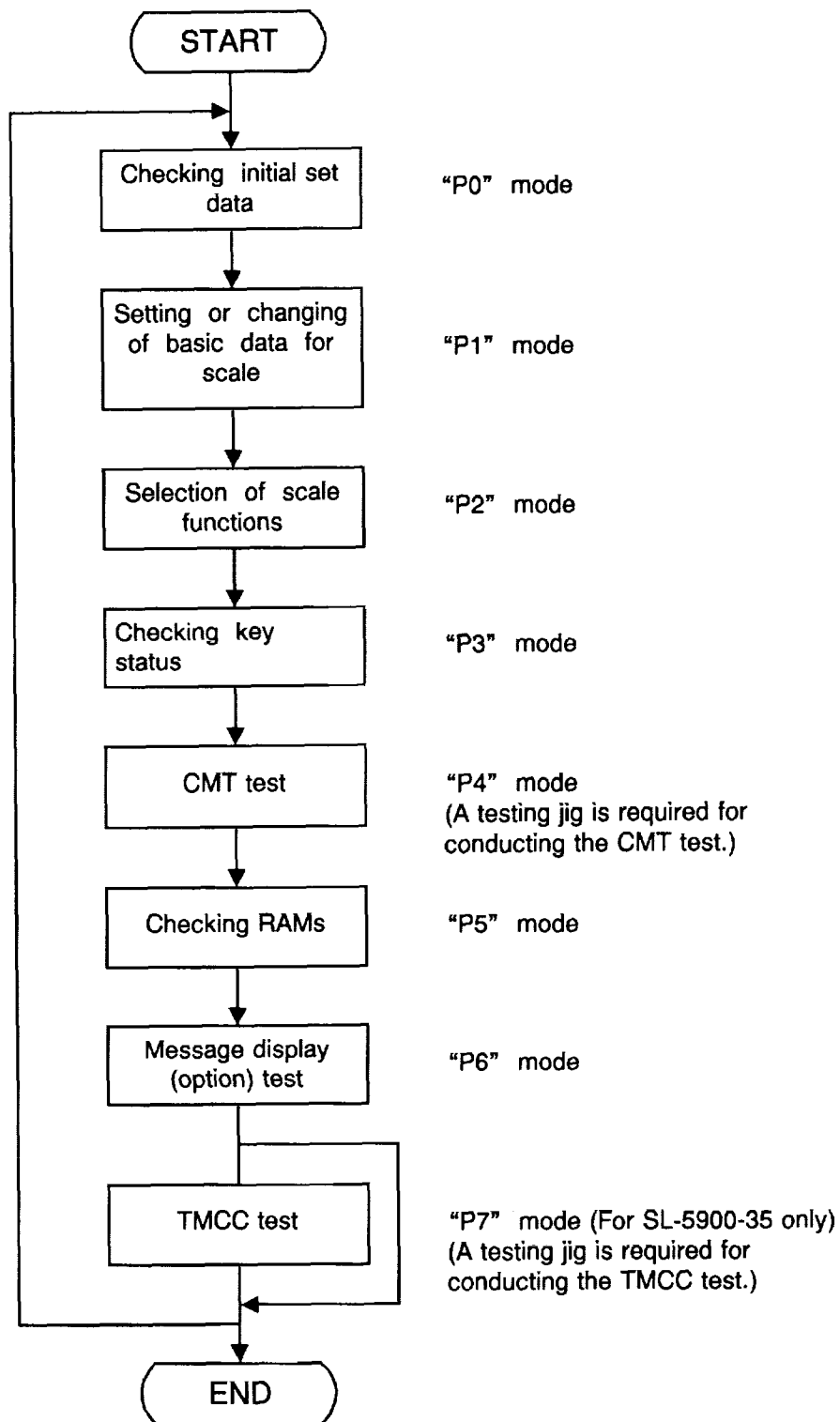
2. National number for File Clear

0: File Clear

3. Be sure to pull out the power cord plug and insert it again after RAM Clear or File Clear.

7. OUTLINE OF INITIAL SETTING

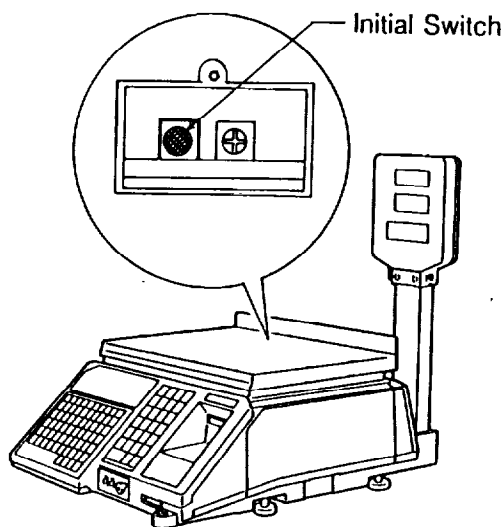
There are seven modes of initial setting, "P0", "P1", "P2", "P3", "P4", "P5", "P6", and "P7".



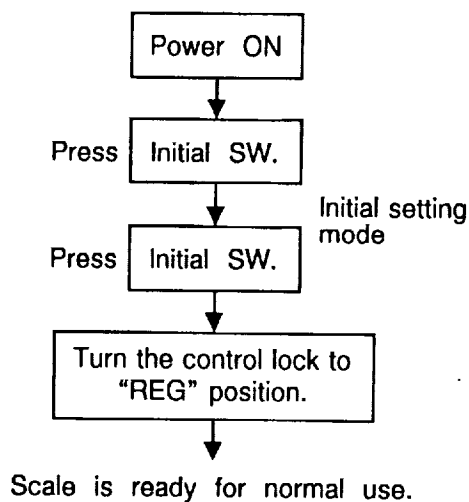
IMPORTANT: After replacing the Load Cell, CPU or CPU board, be sure to perform initial setting.

8. SWITCH AND KEY FUNCTIONS IN INITIAL SETTING

8.1. Initial Switch



When this switch is depressed after the power is turned on, the scale switches the mode to Initial Setting. When this switch is depressed again after Initial Setting, the scale is ready for normal use.



8.2. Operation Keys

	NEXT PLU	VOID	
◇	FOR	DT/ TM	
7	8	9	
4	5	6	SAVE
1	2	3	Ⓐ
0	T/ TR	C	Ⓑ
ZERO	PLU	PRT/ *	Ⓓ

Fig. 8-2.

NOTE: Ⓐ, Ⓑ, and Ⓓ in Fig. 8-2 are the symbols showing the key position.

Key	Function
DT/ TM	To change the initial setting modes:
T/ TR	1) To eject to a new page in "P0" mode. 2) To register the data in the NOV RAM in "P1" mode and also used to eject to a new page.
C	1) To eject to a new page in "P1" mode. 2) To register the data in the NOV RAM in "P2" mode and also used to eject to a new page.
ZERO	To return the weight display to zero in setting span data in "P1" mode.
PRT/ *	To start the CMT test (P4), RAM check (P5), Message Display test (P6), and TMCC test (P7).
Numeric keys	1) To enter data in "P1" mode. 2) To turn on or off a bit in "P2" mode.

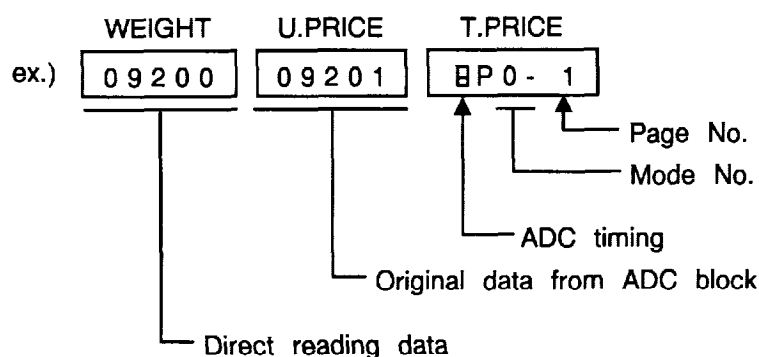
9. INITIAL SETTING PROCEDURES

Initial data should be set or changed in the following manner.

9.1 Before Starting Initial Setting

- 1) Plug the power plug into an AC outlet.
- 2) Remove the platter and switch cover, and depress the initial switch.

Display shows:



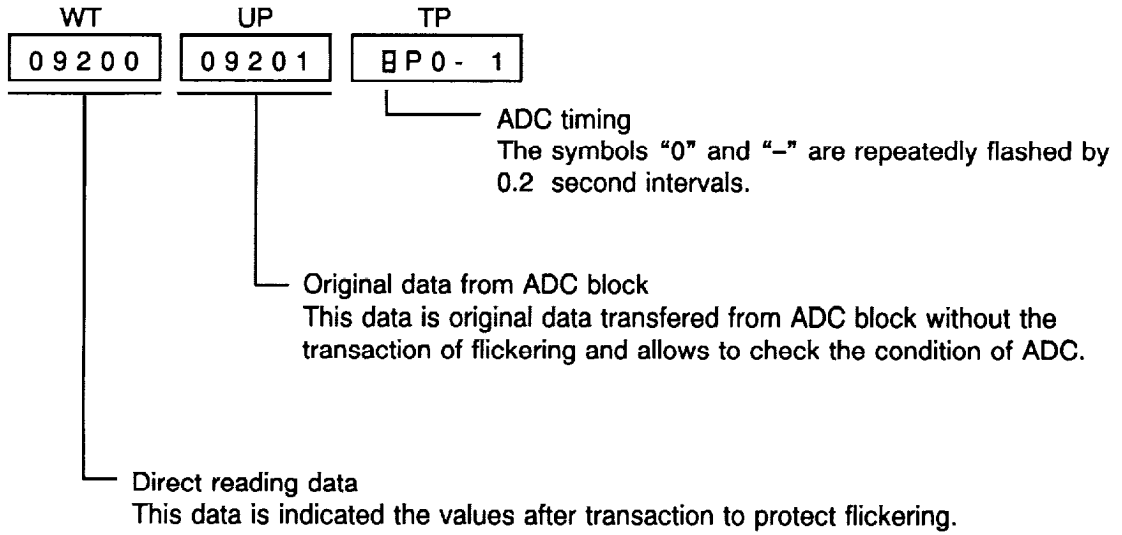
9.2 Initial Set Mode [P0]

This mode allows the operator to check the setting of the respective data. When the TARE key is depressed, page number will change.

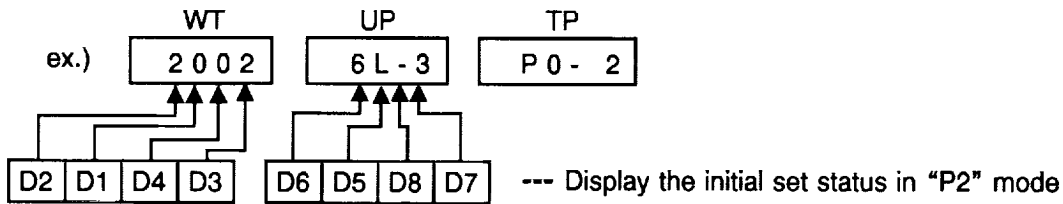
Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	← Page #.
2	Depress the TARE key.	2002	6L-3	P0- 2	
3	Depress the TARE key.	8150	401P	P0- 3	
4	Depress the TARE key.	0100	0000	P0- 4	
5	Depress the TARE key.	0000	0000	P0- 5	
6	Depress the TARE key.	10	14	P0- 6	
7	Depress the TARE key.	0.	99050	P0- 7	
8	Depress the TARE key.	09200	09201	8P0- 1	
9	Depress the initial switch.				

■ Explanation of display data on each page in [P0] mode

[Page 1]

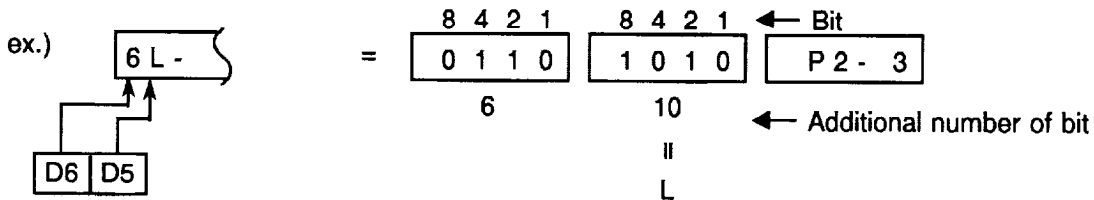


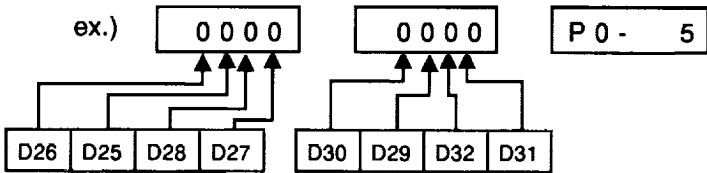
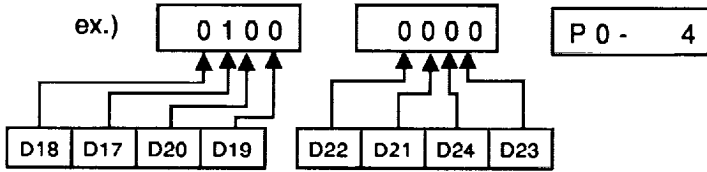
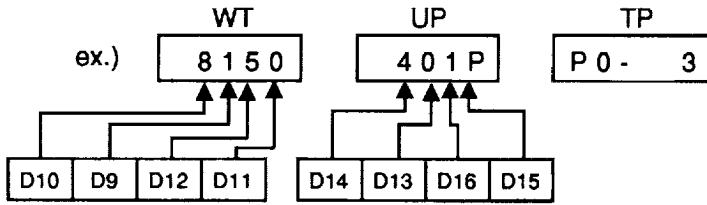
[Page 2~5]



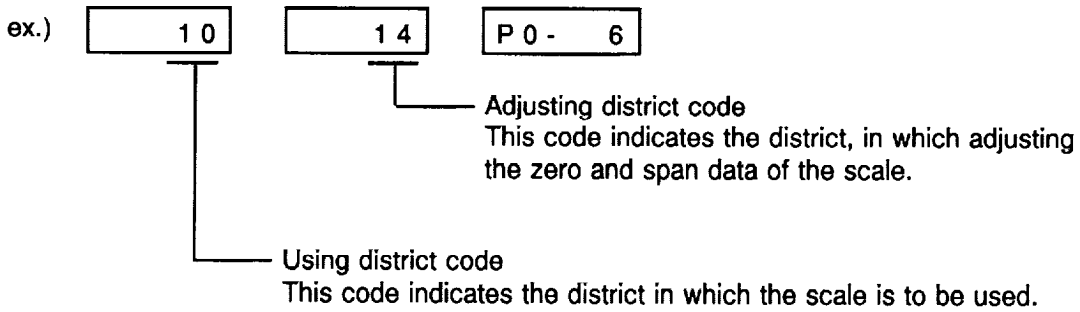
NOTE: Additional number of bit is indicated at that digit. Exceeding the number of 10 is as follows;

- | | |
|----------|------------|
| 10 = "L" | 13 = "A" |
| 11 = "H" | 14 = "-" |
| 12 = "P" | 15 = Blank |

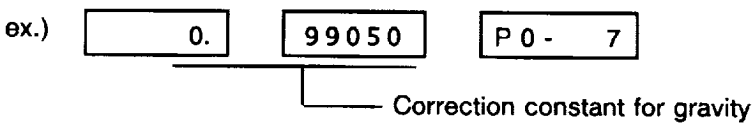




[Page 6]



[Page 7]



9.3 Initial Set Mode [P1]

This mode permits setting or changing of adjusting district code, zero point data, span data, and using district code.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks					
1	Turn the adjustable legs to level the scale.									
2	Depress the initial switch.	09200	09201	8P0- 1						
3	Depress the DATE & TIME key.	14		P1- 1						
		↑	Adjusting district code							
4	Enter the new adjusting district code. (Refer to table 2) ex.) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>1</td></tr></table>	1	1	14	11	P1- 1				
1	1									
			↑	New adjusting district code						
5	Depress the TARE key. New adjusting district code is registered in the NOV RAM.	11		P1- 2						
6	Depress the CLEAR key.	10200	9850	P1- 3						
		↑	↑	Current zero point data						
			New zero point data							
7	Enter the new zero point data on the weight display. ex.) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>0</td><td>2</td><td>0</td><td>0</td></tr></table>	1	0	2	0	0	10200	10200	P1- 3	
1	0	2	0	0						
8	Depress the TARE key. New zero point data is registered in the NOV RAM.	10200	10200	P1- 4						
			↓	Current span data						
9	Depress the CLEAR key.	10200	31050	P1- 5						
10	Depress the ZERO key.	00000	31050	P1- 5						
11	Place maximum capacity on the platter.	31100	31050	P1- 5						
		↑	New span data							
12	Enter the new span data on the weight display. ex.) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>3</td><td>1</td><td>1</td><td>0</td><td>0</td></tr></table>	3	1	1	0	0	31100	31100	P1- 5	
3	1	1	0	0						
13	Depress the TARE key. New span data is registered in the NOV RAM.	31100	31100	P1- 6						

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks		
14	Depress the CLEAR key.	10		P1- 7			
		↑	Using district code				
15	Enter the new using district code. (Refer to table 2) ex.) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>6</td></tr></table>	1	6	10	16	P1- 7	
1	6						
			↑	New using district code			
16	Depress the TARE key. New using district code is registered in the NOV RAM. (Finish)	16		P1- 8			
17	Depress the initial switch.						

NOTE: ZERO Point = 4000 to 14000 counts
SPAN = 31000 to 32000 counts

■ **Table 2 : District Code Table**

District Code	Principal cities	National Code
0	Anchorage (61N) Helsinki (60N) Oslo (60N) Stockholm (59N)	US FI NR SW
1		
2	Copenhagen (55N)	DK
3		
4	Amsterdam (52N) Dusseldorf (51N)	NL GE
5	Brussels (51N)	BE
6	Hongkong (20N) Vancouver (49.5N) Vienha (48N)	HK CA AR
7	Bern (47N) Seattle (47.6N)	SI US
8	Montreal (45.5N) Ottawa (45N)	CA CA
9	Toronto (43.5N)	CA
10	Milwaukee (42.9N) Boston (42.5N) Detroit (42.5N) Wellington (41S)	US US US NZ
11	Ankara (40N) Chicago (42N) Madrid (40.5N) New York (41N) Philadelphia (40N)	TU US SN US US
12	Athens (43N) Lisbon (39N)	GR PO
13	San Francisco (37.5N) Seoul (37.5N)	US KO
14	Buenos Aires (35S) Mishima (35N) Santiago (33S) Sydney (34S) Los Angeles (34N)	AG JA CL AU US
15	Atlanta (34N) Baghdad (34N) Beirut (34N) Montevideo (35S)	US IQ LE UR

District Code	Principal cities	National Code
16	Dallas (33N)	US
17		
18	Johannisburg (25S) Kuwait (30N)	SA KU
19	Manamah (26N) Taipei (25N)	BA TA
20	Brasilia (15S)	BR
21		
22	Port Louis (20S)	MU
23	Guatemala (15N) La Paz (15S) Manila (15N)	GT BL PH
24	Lima (12.5S) San Jose (10N)	CL CS
25	Djakarta (5S) Panama (10N) Singapore (0)	IN PA SG
26	Bogota (5N) Mexico City (20N)	CO MX
27		
28		
29		
30	Quito (0)	EC
31		

9.4 Initial Set Mode [P2]

This mode permits setting or changing of scale functions.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	
2	Depress the DATE & TIME key twice.	0010	0000	P2- 1	← Page #.
3	Select the page depressing the CLEAR key. ex.) Depress the CLEAR key twice.	0100	1010	P2- 3	
4	Change the scale functions depressing the numeric keys 1 ~ 8 . ex.) PC Keyboard Baud Rate → 9216.0 BPS Depress the numeric keys 5 6 . (Refer to function table P2-3.)	0101	1010	P2- 3	
5	Depress the CLEAR key. The scale functions of [P2-3] are registered in the NOV RAM.	1110	0011	P2- 4	
6	Depress the initial switch.				

9.5 Initial Set Mode [P3]

This mode allows the operator to check the key status corresponding to the key on operation keyboard.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	Key status of the DT/TM key.
2	Depress the DATE & TIME key three times.		3d	P3- 1	
3	Check the key status. (Refer to table 3)				
4	Depress the initial switch.				

■ Table 3 : Key Status Table

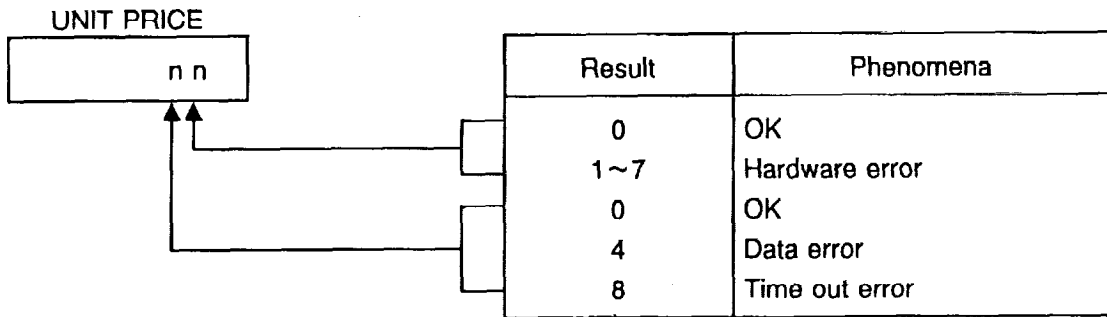
[Empty Box]											2b	2C	2d	2E
											3b	3C	3d	3E
20	21	22	23	24	25	26	27	28	29	2A	4b	4C	4d	4E
30	31	32	33	34	35	36	37	37	38	3A	5b	5C	5d	5E
40	41	42	43	44	45	46	47	48	49	4A	6b	6C	6d	6E
50	51	52	53	54	55	56	57	58	59	5A	7b	7C	7d	7E
60	61	62	63	64	65	66	67	68	69	6A	8C	8d	8E	
70	71	72	73	74	75	76	77	78	79	7A				
								89	8A	8b				

NOTE: The FEED key has no key status.

9.6 Initial Set Mode [P4]

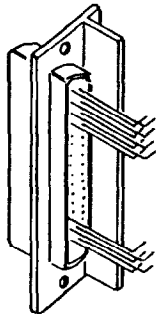
This mode allows testing the CMT function.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	
2	Depress the DATE & TIME key four times.			P4- 1	
3	Connect the testing jig to the CMT connector.				
4	Depress the PRINT key.		00 ↑	P4- 1 Result	
5	Depress the initial switch.				



■ Testing jig

If necessary please construct a testing jig.



Connect

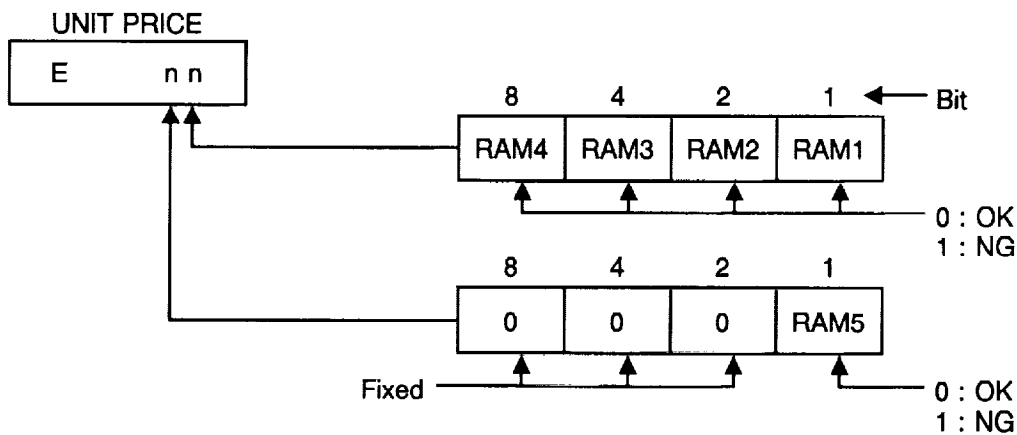
Pin #	Signal
1	NC
2	TXD
3	RXD
4	RTS
5	CTS
6	NC
7	GND
8-25	NC

Part No. : 24420780200
 Part Name : Connector 17LE-23250-27

9.7 Initial Set Mode [P5]

This mode allows checking the RAMs except NOV RAM.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	
2	Depress the DATE & TIME key five times.			P5- 1	
3	Depress the PRINT key.		00	P5- 1 Result	
4	Depress the initial switch.				

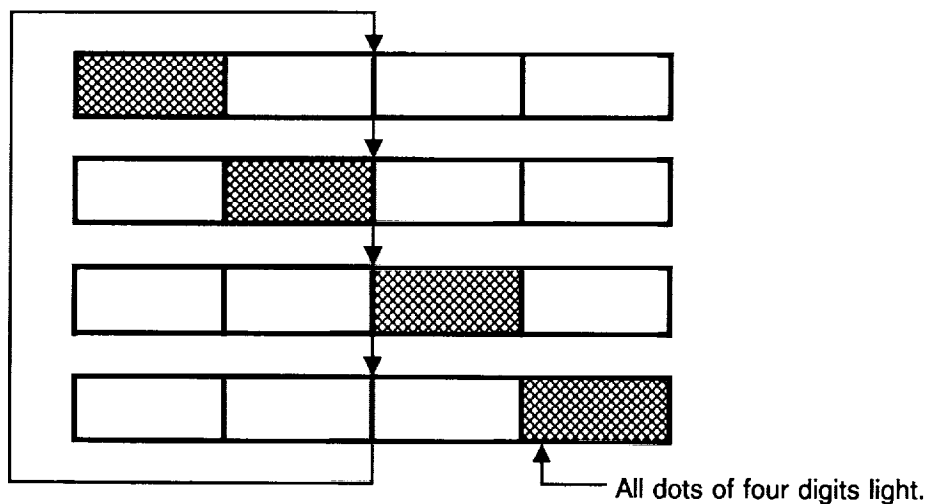


9.8 Initial Set Mode [P6]

This mode allows checking the message display (option).

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	
2	Depress the DATE & TIME key six times.			P6- 1	
3	Depress the PRINT key. Message display checking begins.				
4	Depress the DATE & TIME key.	09200	09201	8P0- 1	
5	Depress the initial switch.				

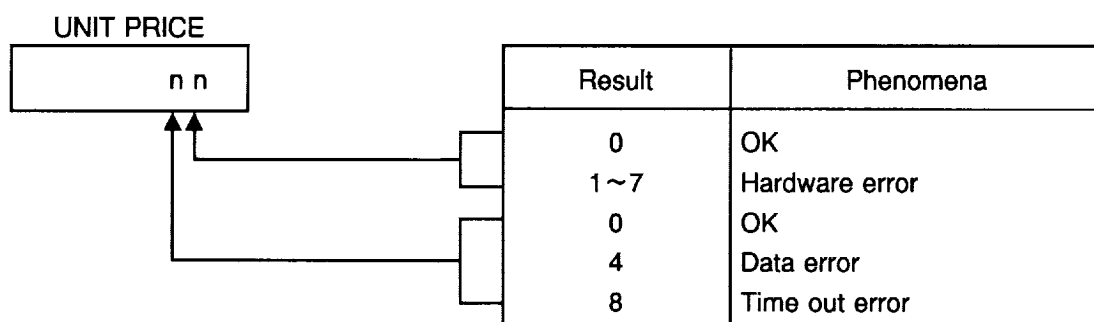
This check lights all dots of the 16 digits, 4 digits at a time starting from left.



9.9 Initial Set Mode [P7]

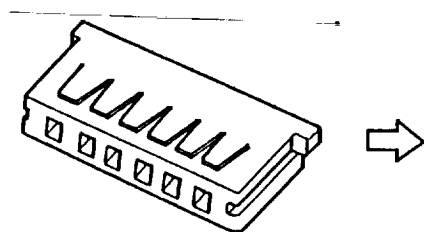
This mode allows testing the TMCC function.

Step No.	Procedure	WEIGHT	UNIT PRICE	TOTAL PRICE	Remarks
1	Depress the initial switch.	09200	09201	8P0- 1	
2	Depress the DATE & TIME key seven times.			P7- 1	
3	Connect the testing jig to the TMCC connector.				
4	Depress the PRINT key.		00	P7- 1	
5	Depress the initial switch.			Result	



■ Testing jig

If necessary please construct a testing jig.



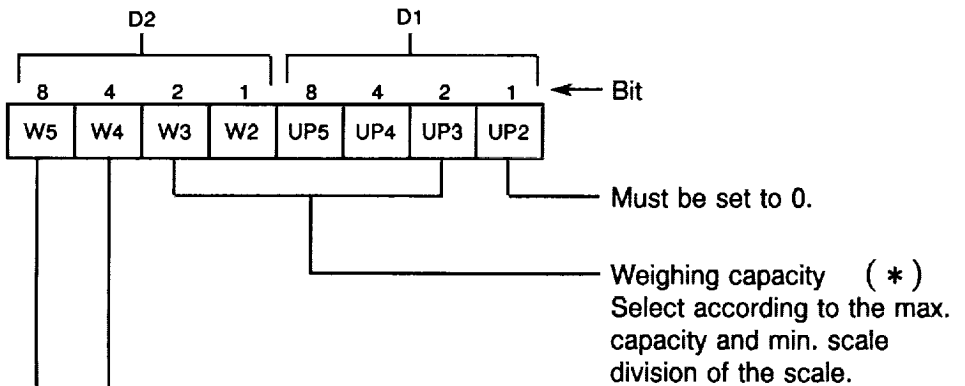
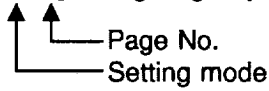
Connect

Pin #	Signal
1	TX
2	TX
3	RX
4	RX
5	GND
6	NC

Part No.	Part Name
24420060333	Housing W-A2506-IN
24420060313	Pin W-T0823 #11

10. FUNCTION TABLE FOR [P2] MODE

[P2-1] Weighing capacity, PLU preset tare, and CMT baud rate



W3	W2	UP5	UP4	UP3	Max. Capacity	Min. Scale Division	Remarks
0	1	1	0	1	15kg	0.005kg (5g)	for CA
1	0	0	0	0	30 lbs	0.01 lbs	for US

Any combination of bits other than the above is prohibited.

PLU preset tare Available/Not available (Refer to NOTE)
 0: Not available
 1: Available

CMT baud rate
 0 : 2400 BPS
 1 : 4800 BPS

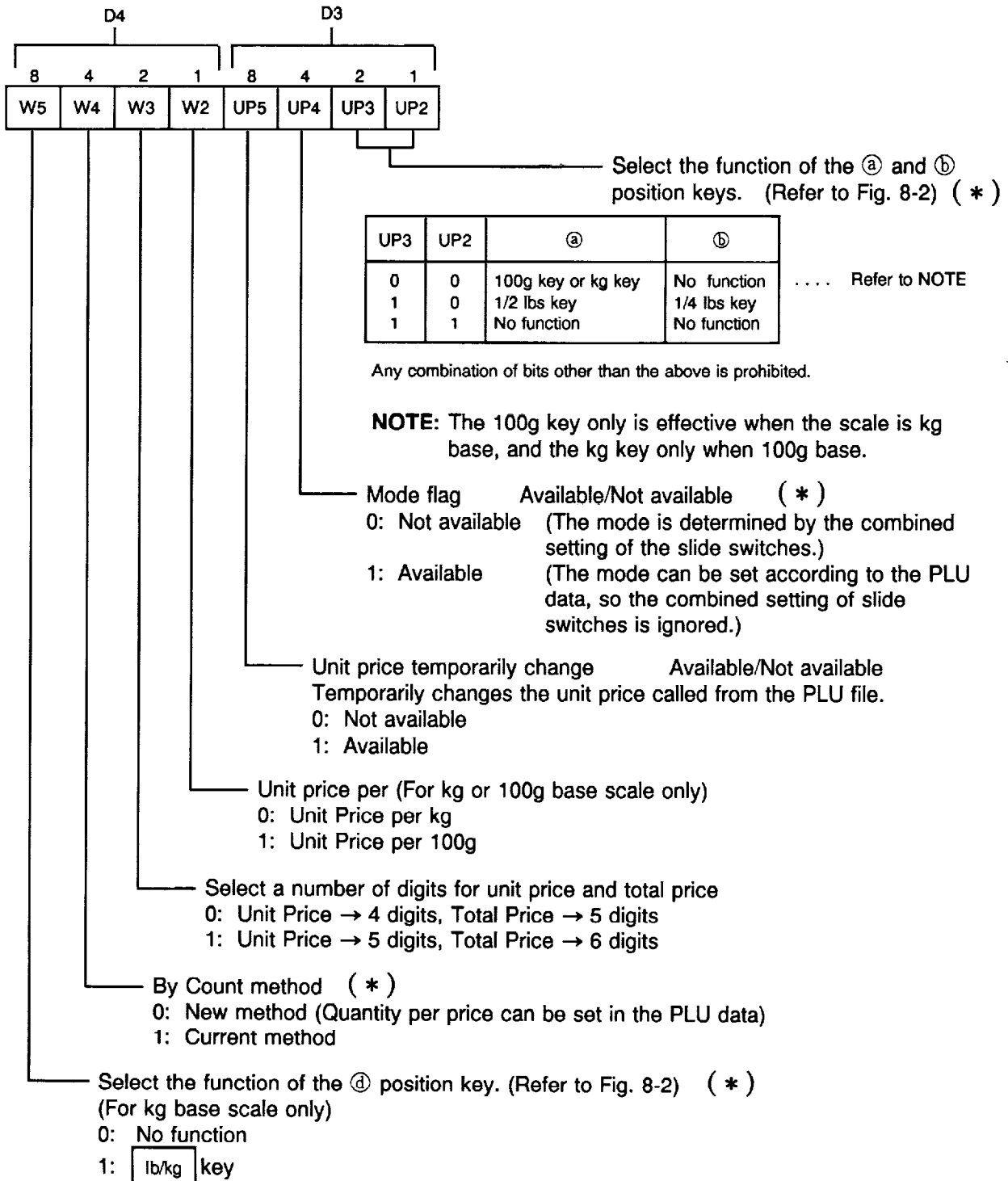
- NOTES:**
1. The value with asterisk (*) cannot be changed after RAM Clear.
 2. Switching the setting of this bit changes the "PLU Preset Tare" operating sequence.

Not available:

Available:

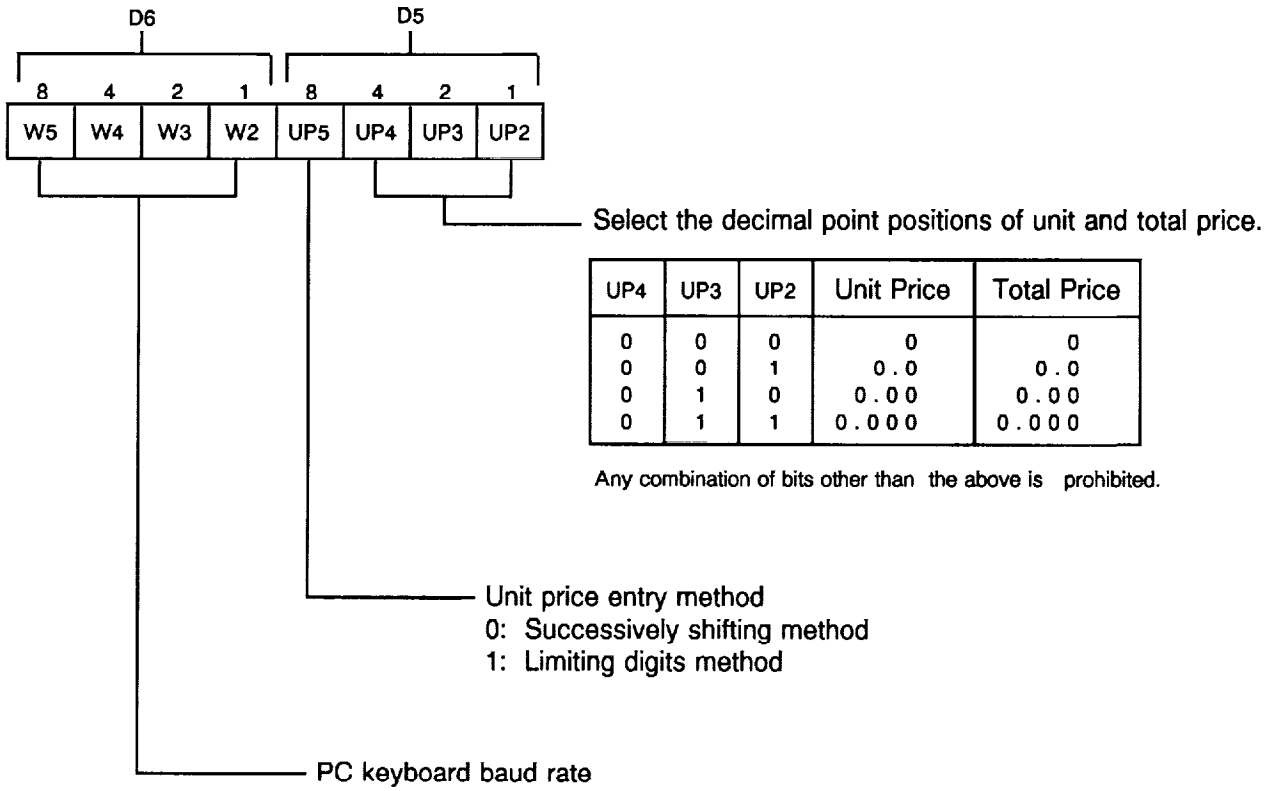
When PLU Preset Tare is set to "Available", the tare weight of the current PLU can be set to the PLU data.

[P2-2] Key functions, Mode flag, Unit price temporarily change, Unit price per, Unit price and total price digits, and By Count method



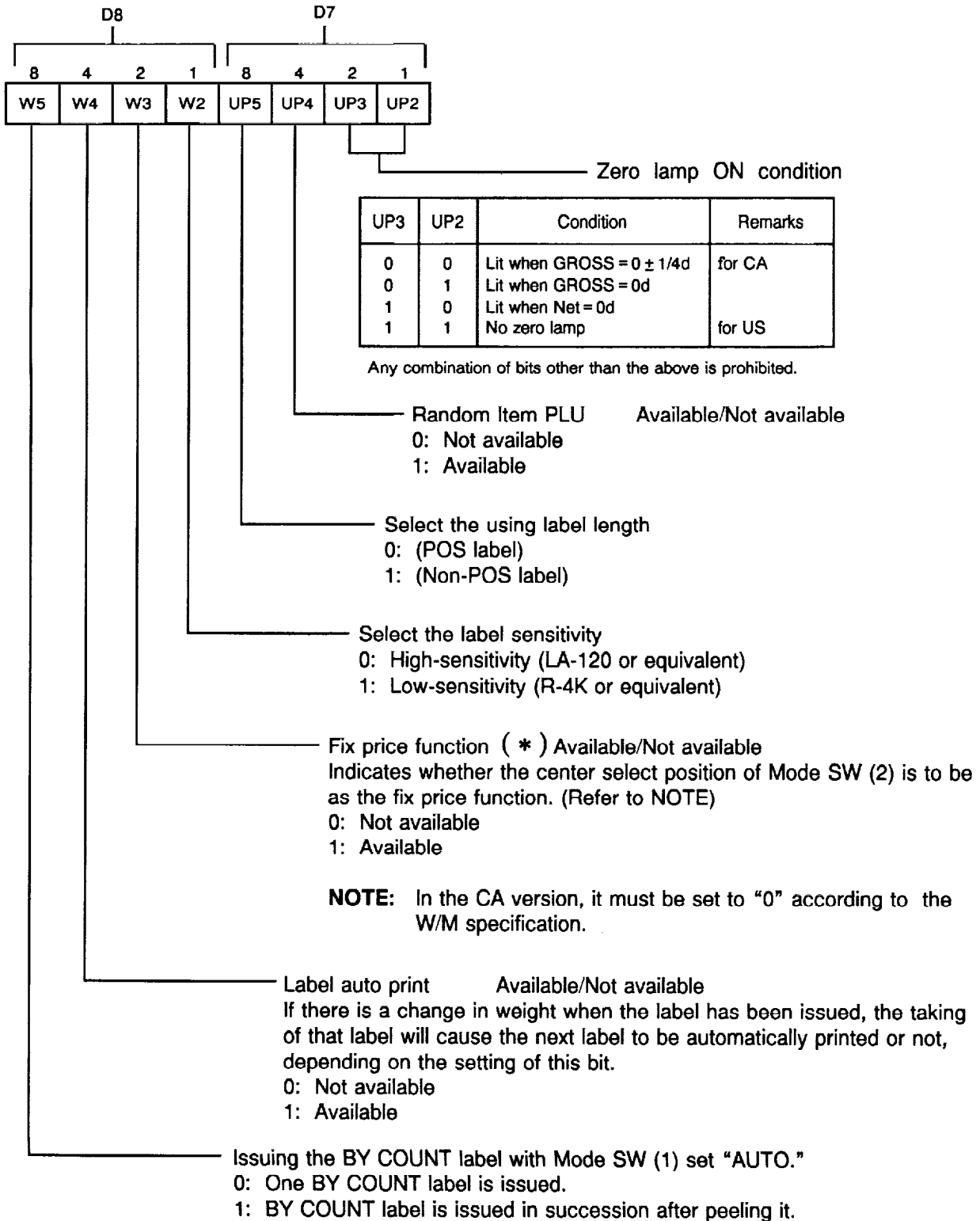
NOTE: The value with asterisk (*) cannot be changed after RAM Clear. For US, CA and MX types, "Mode Flag" and "By Count Method" are changeable. "lb/Kg Key" is changeable with CA and MX types.

[P2-3] Decimal point positions, Unit price entry method, and PC keyboard baud rate



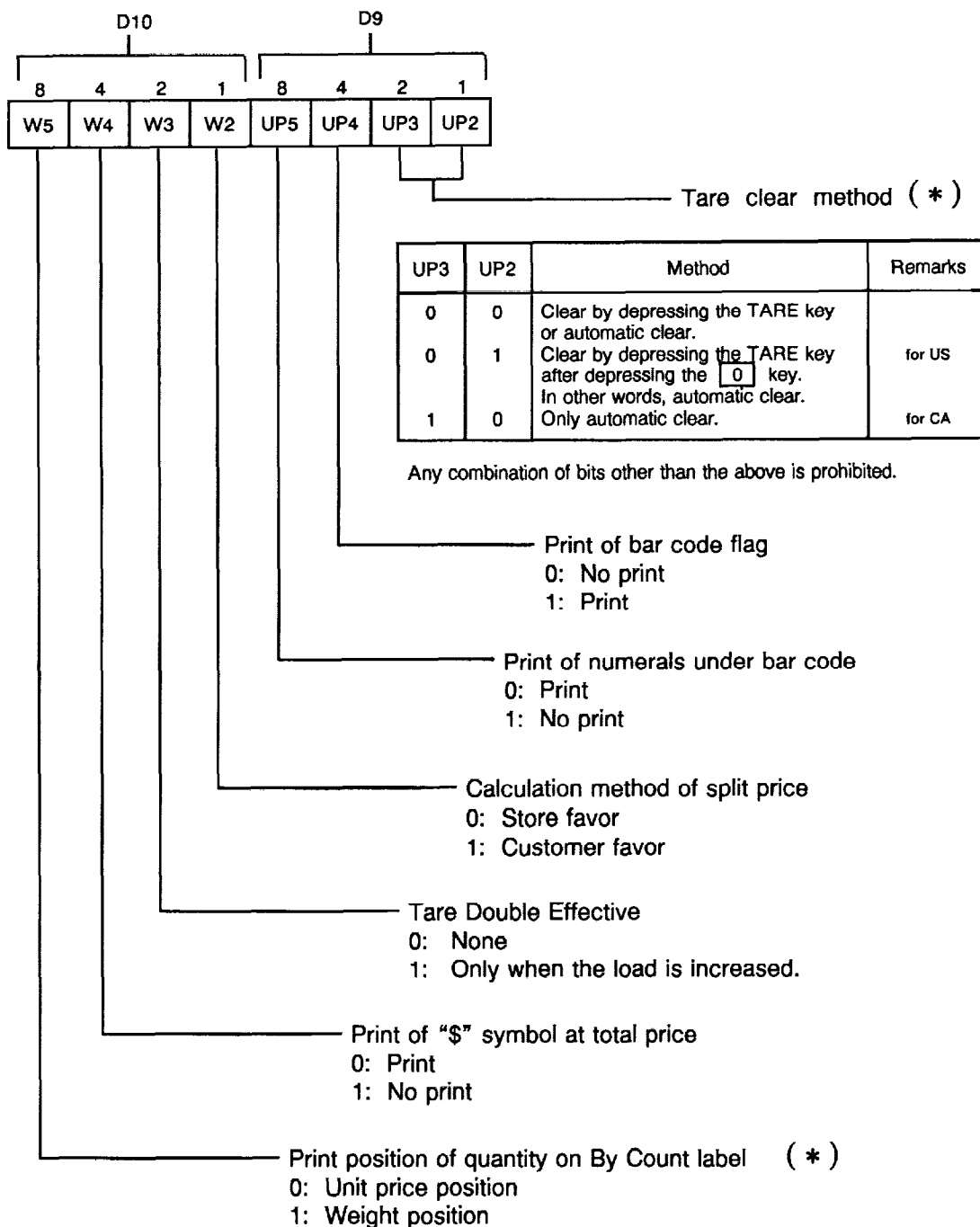
W5	W4	W3	W2	Baud Rate (BPS)
0	0	0	0	7680.0
0	0	0	1	7944.8
0	0	1	0	8228.6
0	0	1	1	8533.3
0	1	0	0	8861.5
0	1	0	1	9216.0
0	1	1	0	9600.0
0	1	1	1	10017.4
1	0	0	0	10240.0
1	0	0	1	10472.7
1	0	1	0	10716.3
1	0	1	1	10971.4
1	1	0	0	11239.0
1	1	0	1	11520.0
1	1	1	0	11815.3
1	1	1	1	12126.3

[P2-4] Zero lamp ON condition, Random Item PLU, Selection of label, Fix price function, Label auto print, etc.



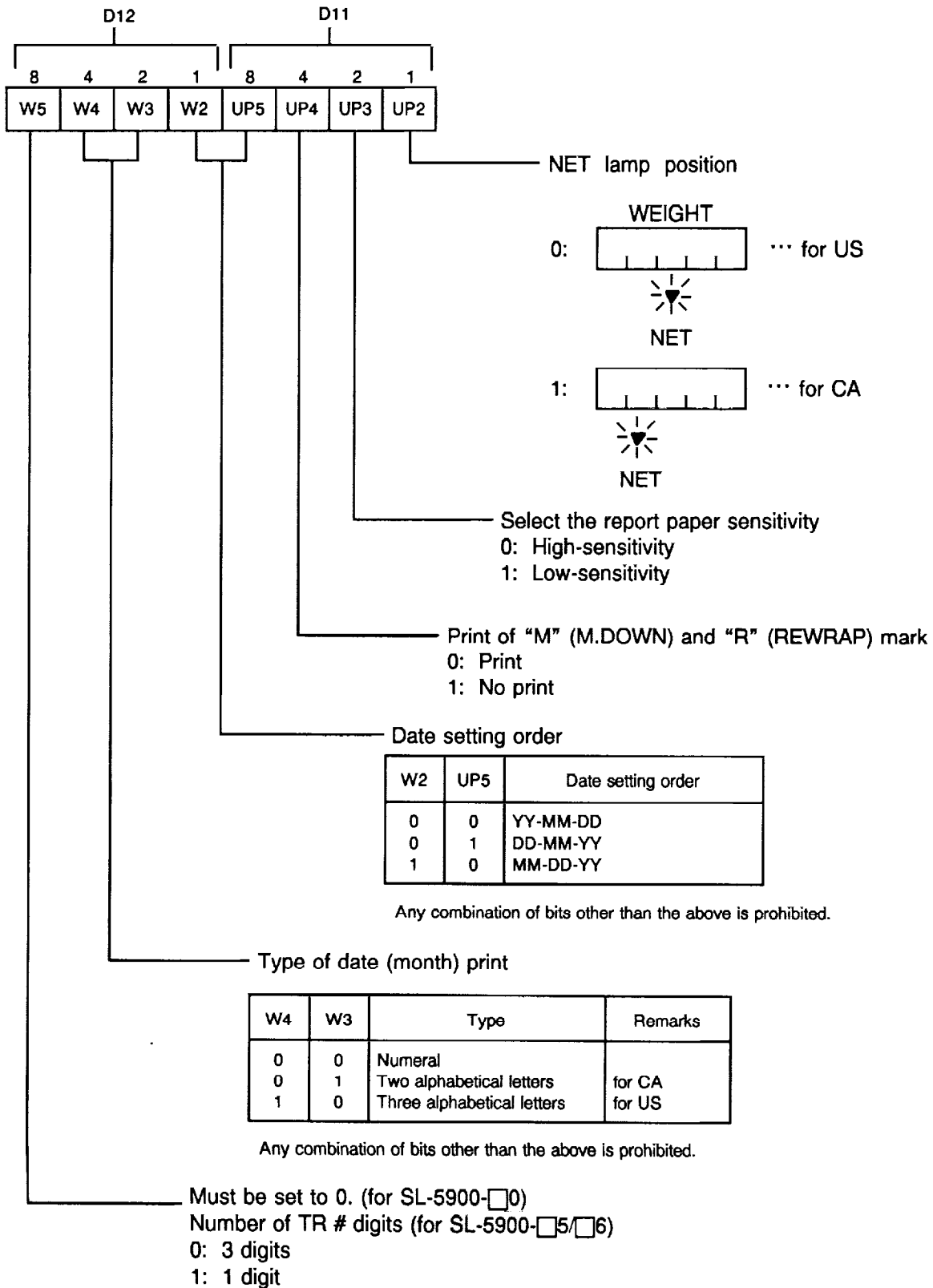
NOTE: The value with asterisk (*) cannot be changed after RAM Clear except for US and MX types.

[P2-5] Tare clear method, Print of bar code flag, Print of numerals under bar code, Calculation method of split price, etc.

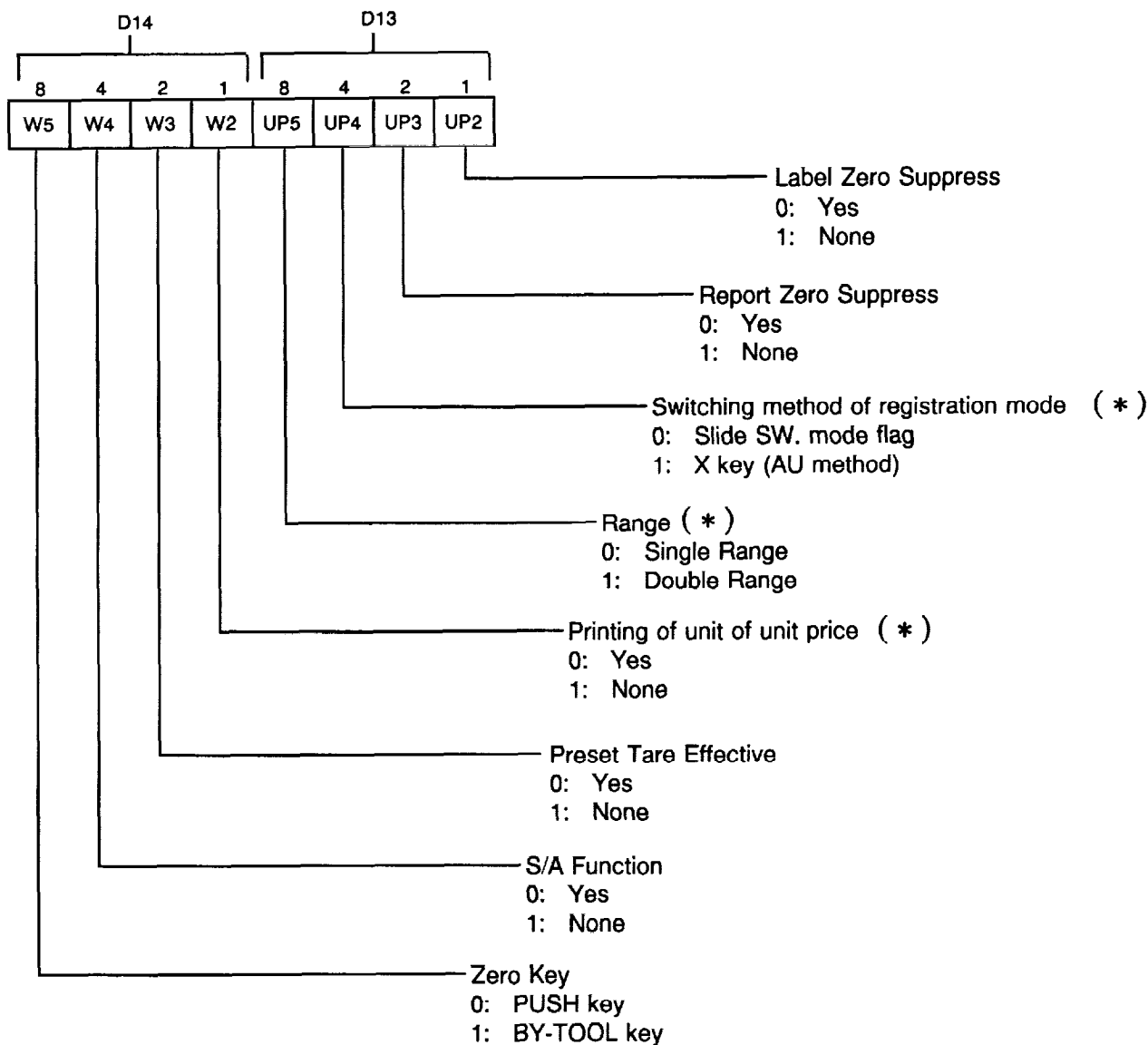


NOTE: The value with asterisk (*) cannot be changed after RAM Clear. For US, CA and MX types, "Print position of quantity on By Count label" is changeable.

[P2-6] NET lamp position, Print of "M" and "R" mark, Date setting order, Type of date print, etc.

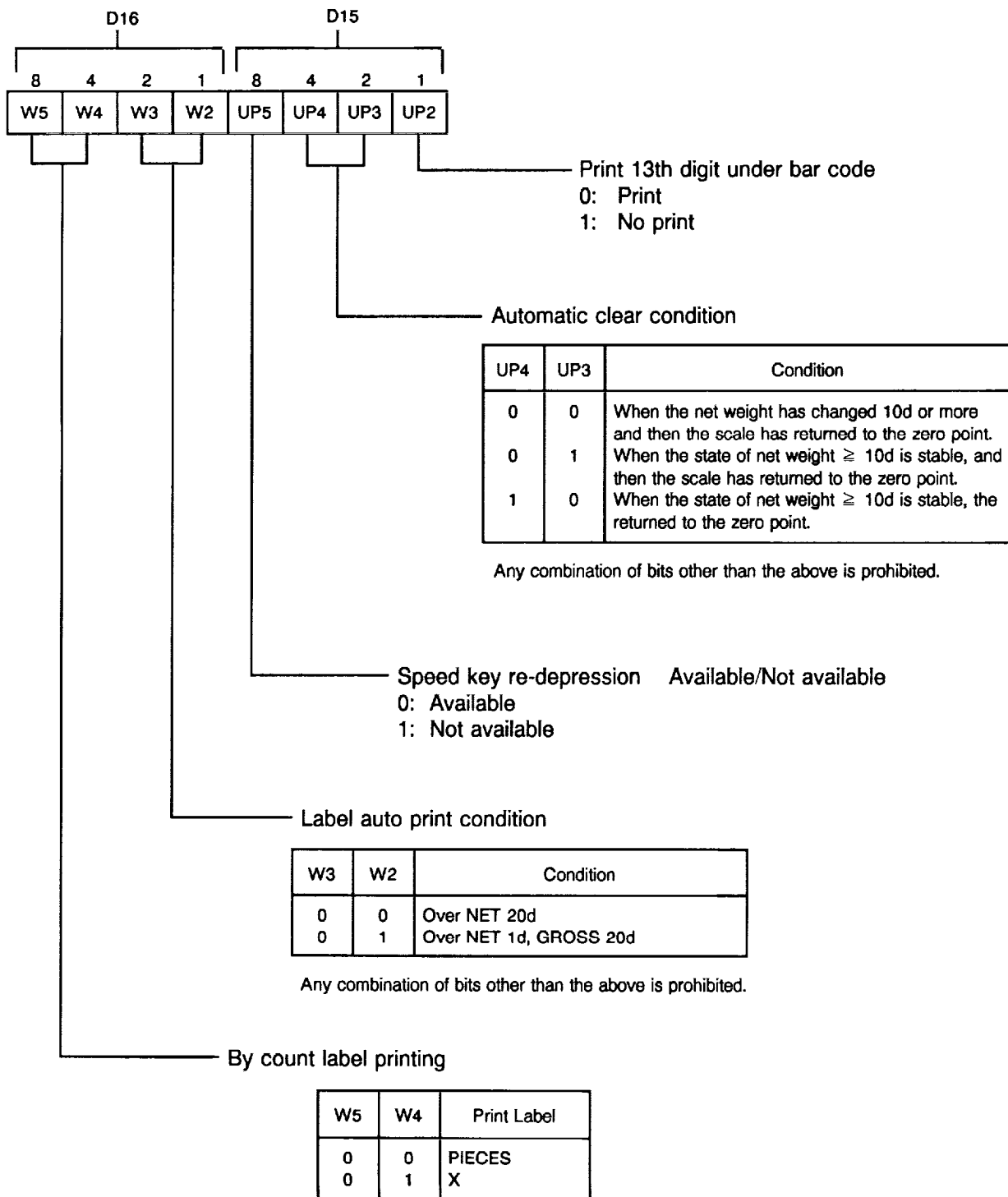


[P2-7] Label Zero Suppress, Report Zero Suppress, Switching method of registration mode, Range, Printing of unit of unit price, Preset Tare Effective, S/A Function, Zero Key



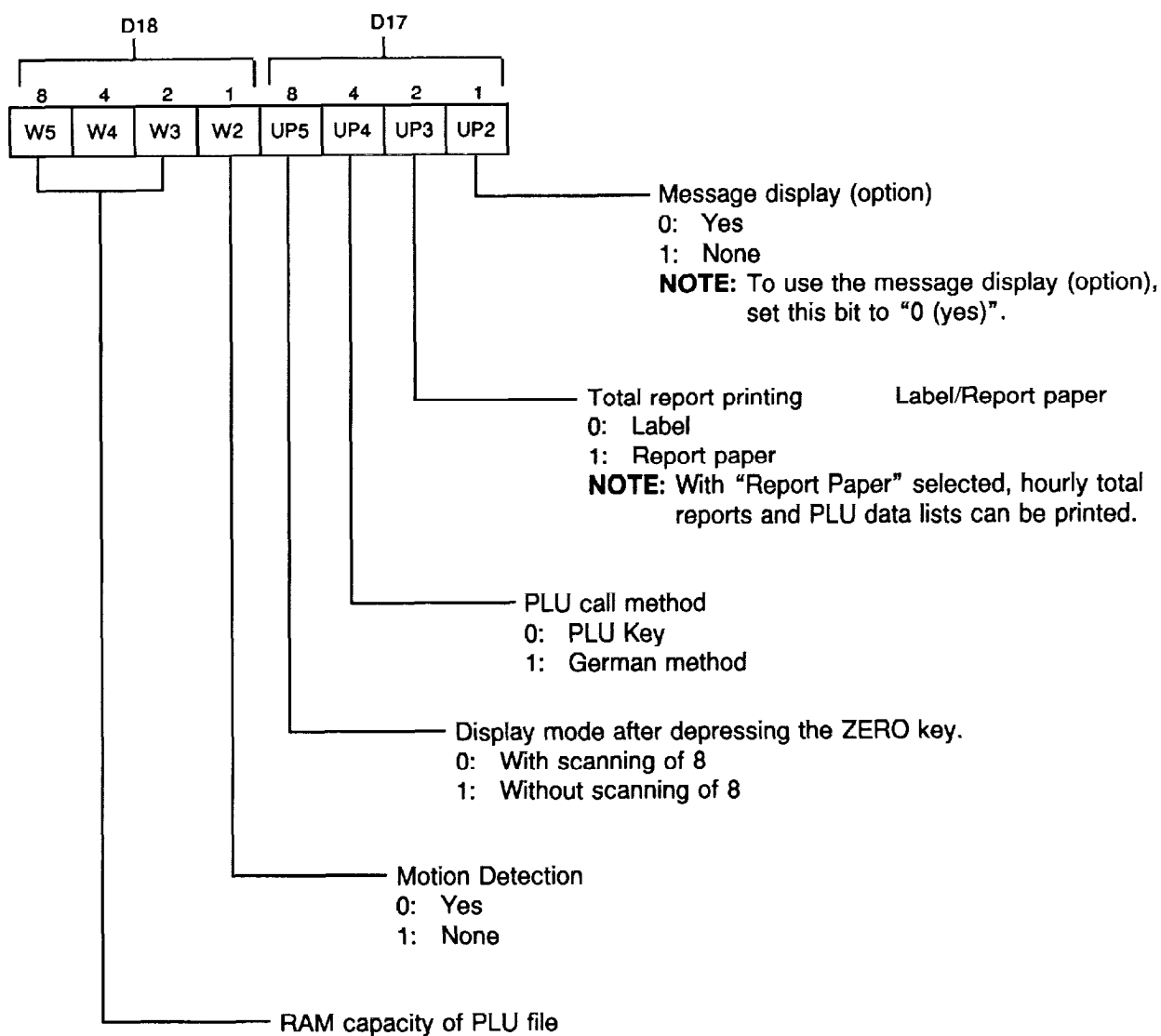
NOTE: The value with asterisk (*) cannot be changed after RAM Clear. For AU, NZ and BE types, "Printing of unit of unit price" is changeable. "S/A function" is changeable with AU and NZ types.

[P2-8] Print 13th digit under bar code, Automatic clear condition, Speed key re-depression, and Label auto print condition



NOTE: The value with asterisk(*) cannot be changed after RAM Clear.

[P2-9] Select of optional display and RAMs, Total report printing, RAM capacity of PLU file, etc.

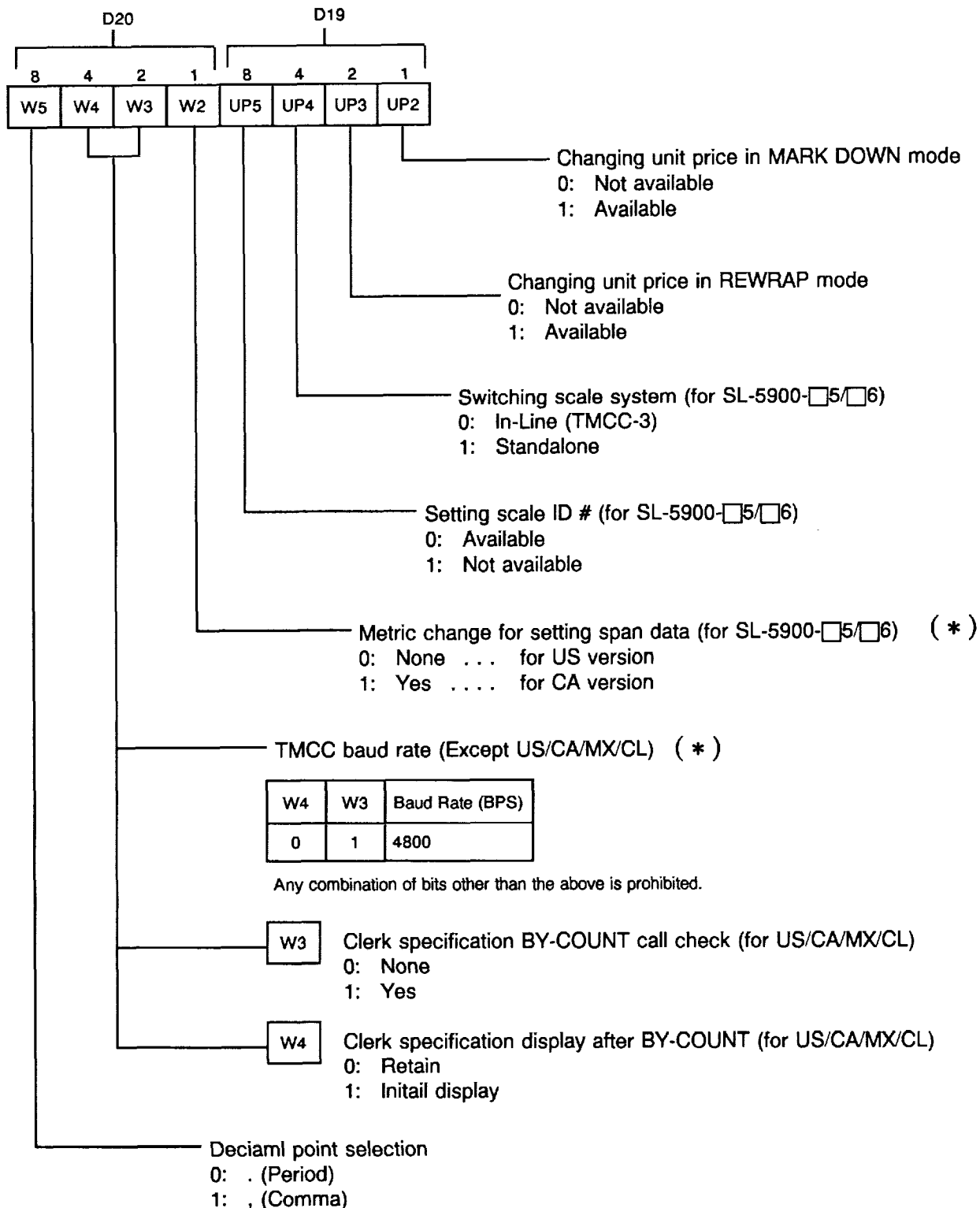


W5	W4	W3	Number of PLU	Number of additional RAM
0	0	0	400 PLUs	Standard (RAM1, 2)
0	0	1	680 PLUs	1 piece (to RAM3)
0	1	0	960 PLUs	2 pieces (to RAM3, 4)
0	1	1	1240 PLUs	3 pieces (to RAM 3~5)

Any combination of bits other than the above is prohibited.

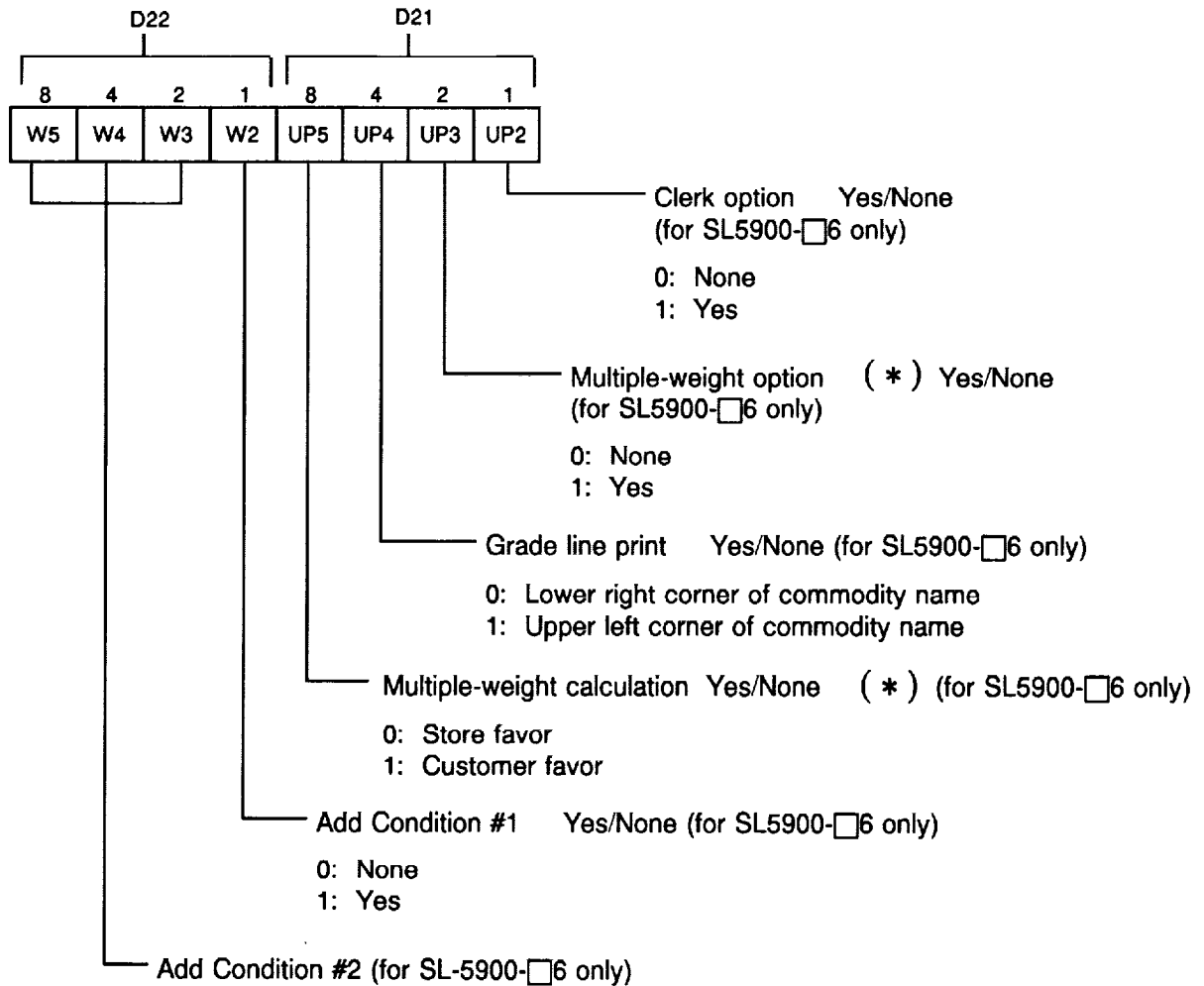
NOTES: Be sure to perform File Clear (Menu No. 99) after changing RAM capacity.

[P2-10] Changing unit price in M.DOWN and REWRAP modes, Switching scale system, Setting scale ID #, and Metric change for setting span data



NOTE: The value with asterisk (*) cannot be changed after RAM Clear.

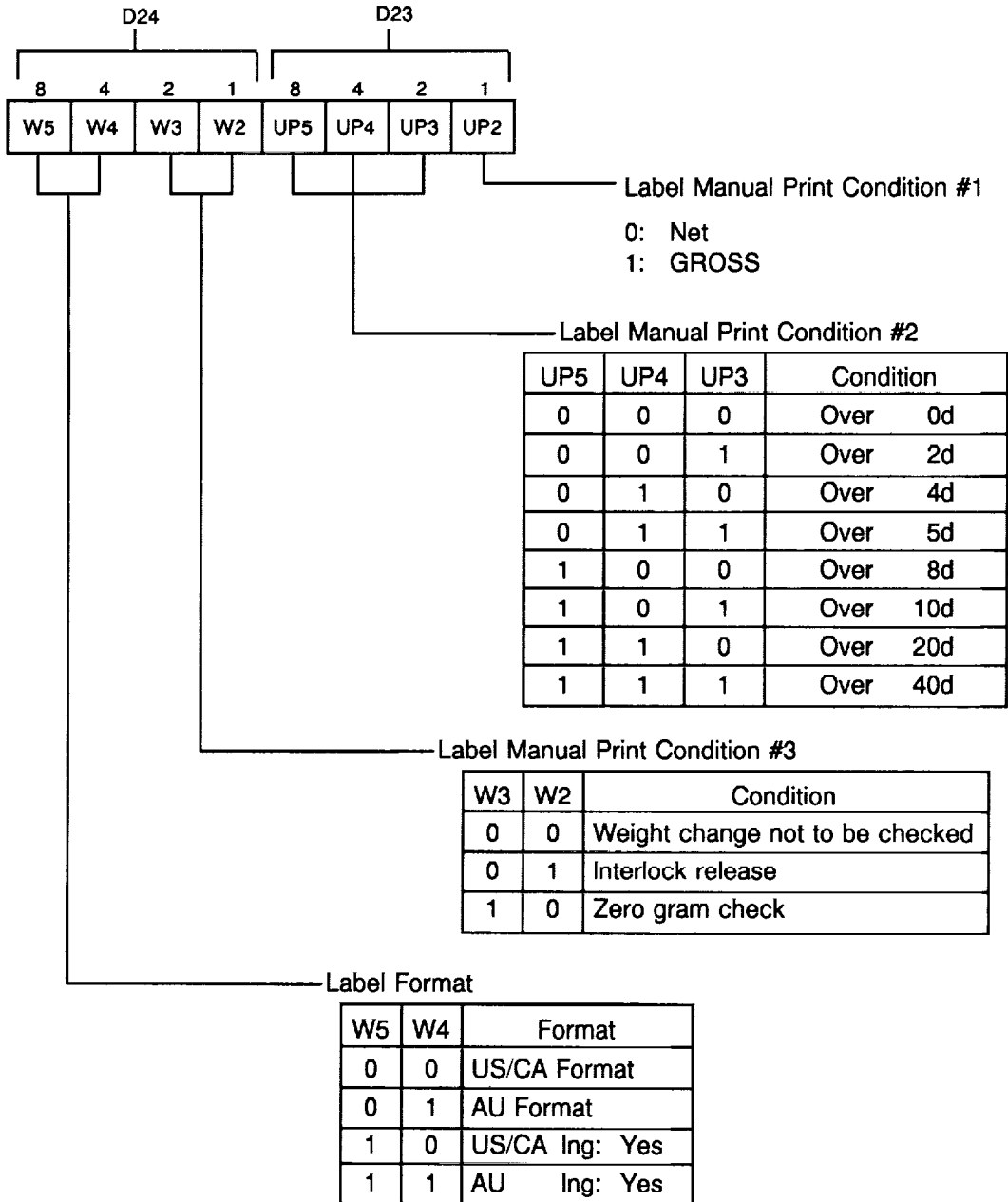
[P2-11] Clerk option, Multiple-weight option, Grade line print, Multiple-weight calculation, Add Condition #1, Add Condition #2



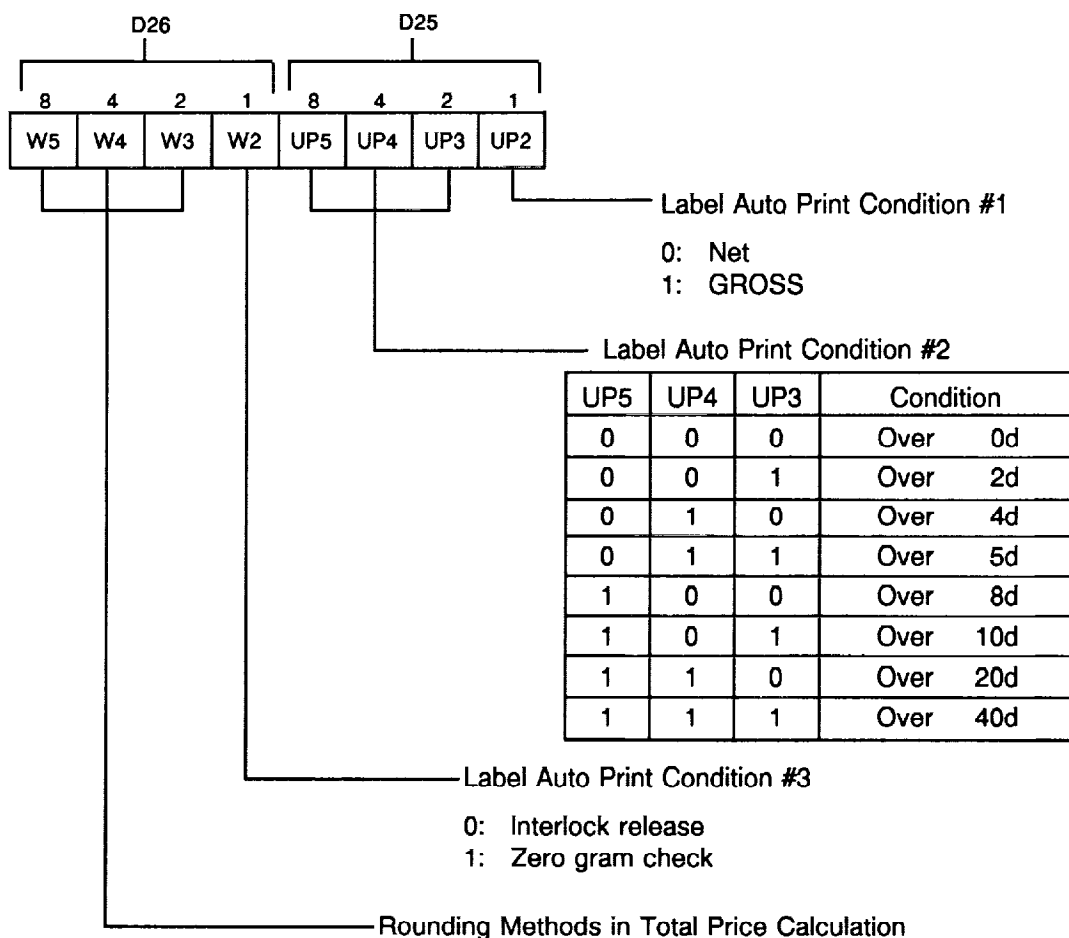
W5	W4	W3	Condition
0	0	0	Over 0d
0	0	1	Over 2d
0	1	0	Over 4d
0	1	1	Over 5d
1	0	0	Over 8d
1	0	1	Over 10d
1	1	0	Over 20d
1	1	1	Over 40d

NOTE: The value with asterisk (*) cannot be changed after RAM Clear except for US type.

[P2-12] Label Manual Print Condition #1/#2/#3, Label Format

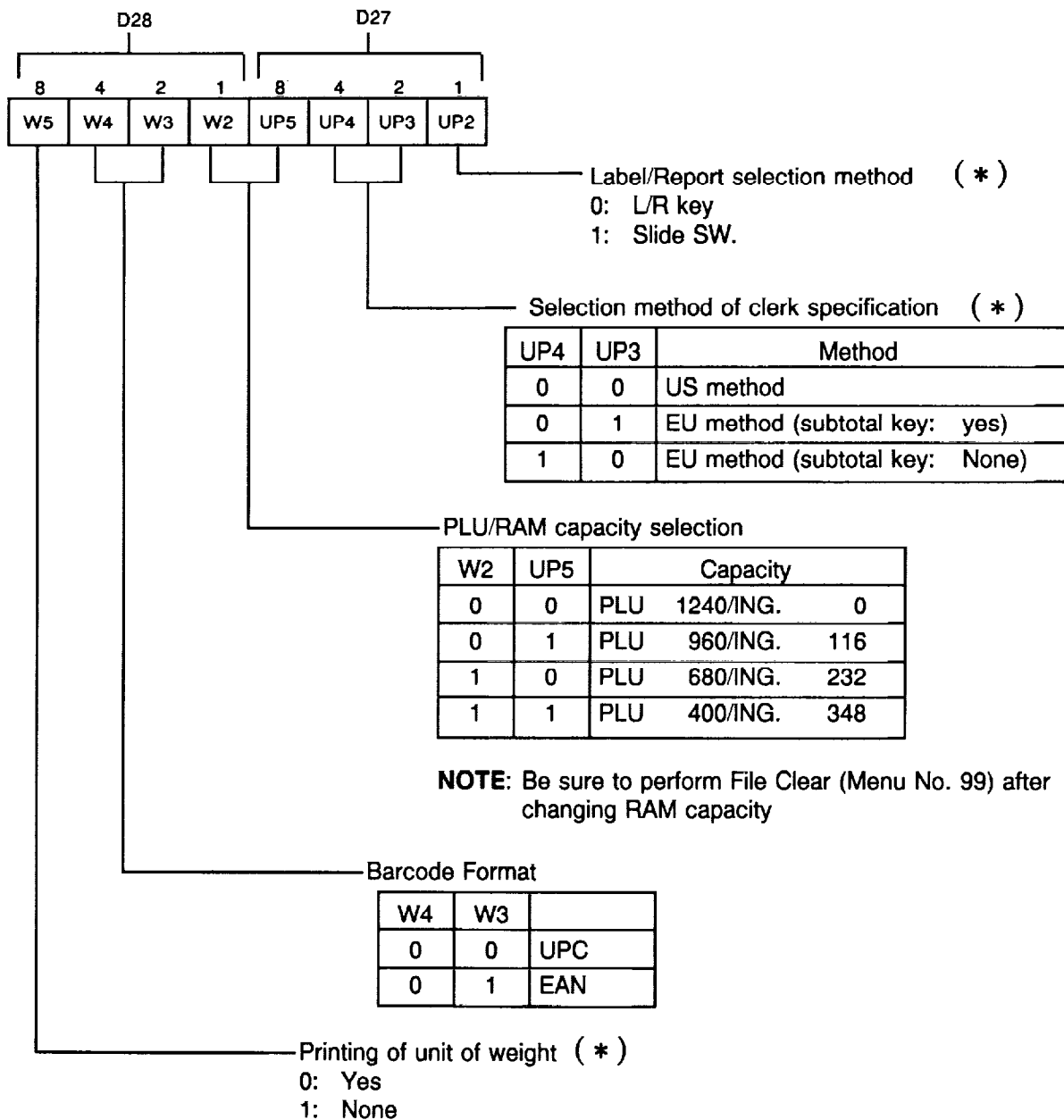


[P2-13] Label Auto Print Condition #1/#2/#3, Rounding Methods In Total Price Calculation



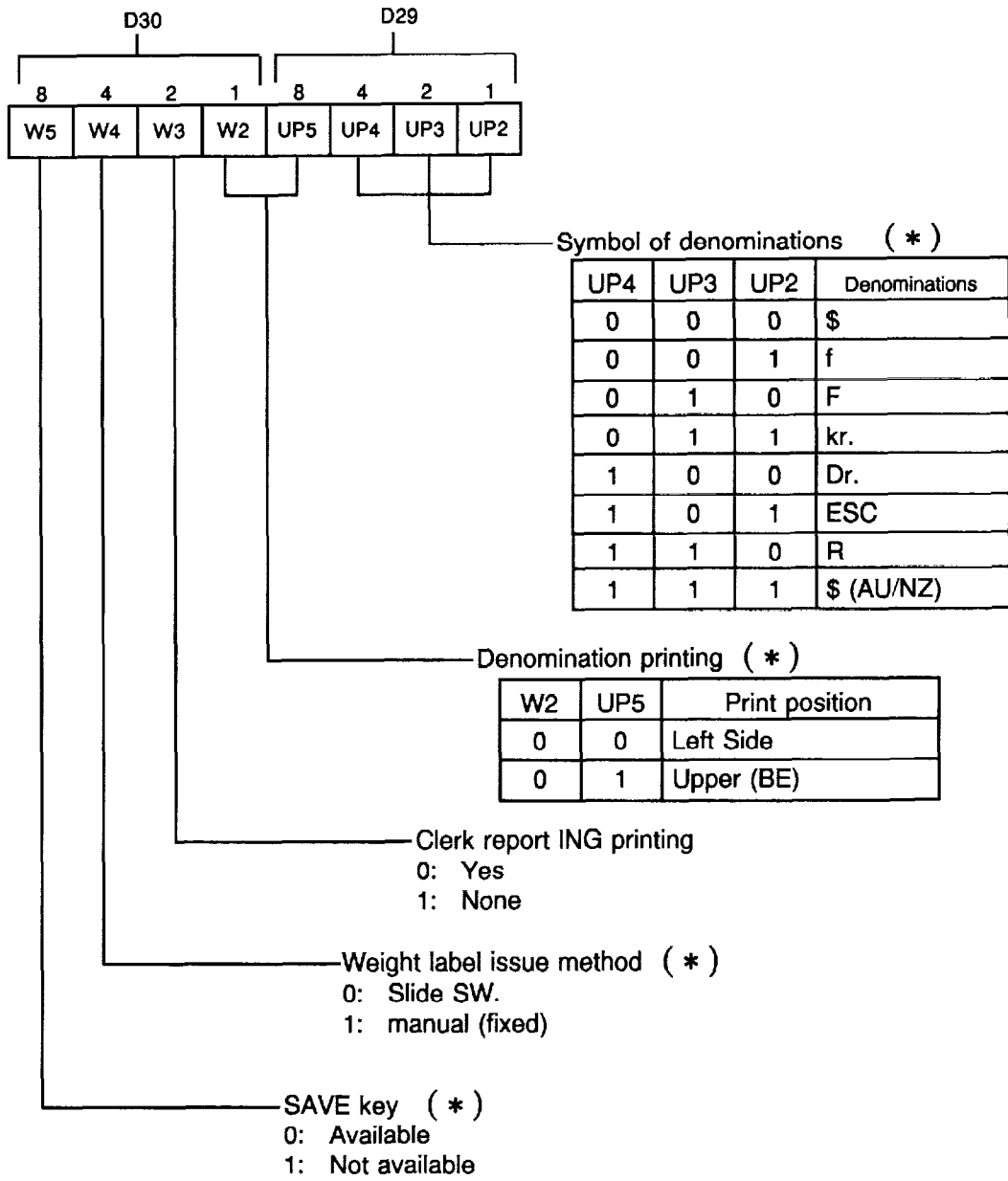
W5	W4	W3	Rounding Method
0	0	0	Round off the digit following the last digit of the display.
0	0	1	Round off the digit following the last digit of the display. Then the last digit of the display made 0 if under 3, and made 5 if between 3 and 7. If over 7, the last digit is made 0 and 1 added to next digit.
0	1	0	Round off the last digit.
0	1	1	Round down the digit following the last digit of the display.
1	0	0	Round up the digit following the last digit of the display.
1	0	1	Round off the 2nd digit down from the last digit of the display. Then round off the digit following the last digit.
1	1	0	Round off the digit following the last digit of the display. Then the last digit of the display made 0 if under 3, and made 5 if between 3 and 7. If over 7, the last digit is made 0 and 1 added to next digit. For the total display during ADD operation, round up the last digit display.
1	1	1	Round off the digit following the last digit of the display. Then the last digit of the display made 0 if under 3, and made 5 if between 3 and 7. If over 7, the last digit is made 0 and 1 added to next digit. For the total display during ADD operation, omit the last digit displayed.

[P2-14] Label/Report selection, Clerk Specification selection, PLU/RAM capacity selection, Bar code format, Printing of Unit of Weight



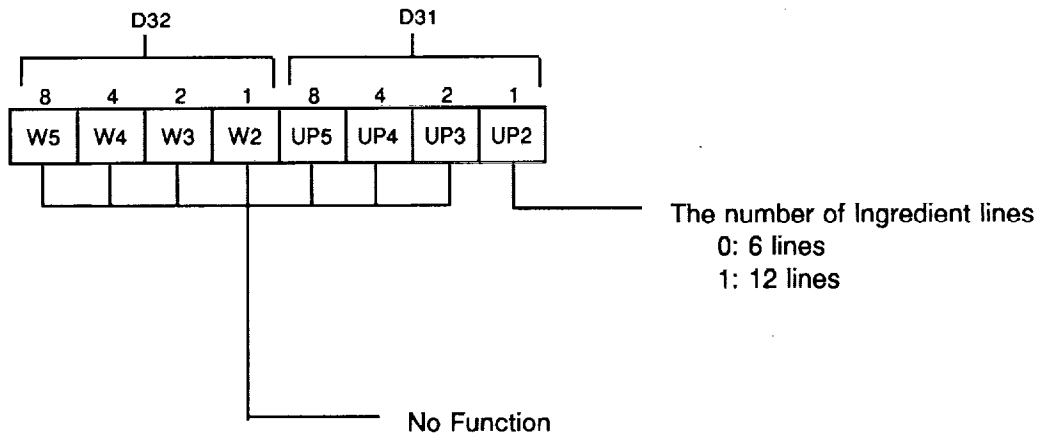
NOTE: The value with asterisk (*) cannot be changed after RAM Clear.

[P2-15] Symbol of denominations, Denomination printing, Clerk report ING printing, Weight label issue method, SAVE key



NOTE: The value with asterisk (*) cannot be changed after RAM Clear.

[P2-16] Ingredient Lines



11. STANDARD SETTINGS BY COUNTRY OF DESTINATION

■ For SL-5900-30-C2-US

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	1	0	0	0	0	0	P2-1
0	0	0	0	0	0	1	0	P2-2
0	1	1	0	1	0	1	0	P2-3
1	1	1	0	0	0	1	1	P2-4
1	0	0	0	0	0	0	1	P2-5
0	1	0	1	0	0	0	0	P2-6
0	1	0	0	0	0	0	0	P2-7
0	0	0	1	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	0	0	0	0	0	0	P2-10
0	0	0	0	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	0	0	P2-13
0	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-35-H2-CA

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	1	1	0	1	0	P2-1
1	0	0	0	0	0	0	0	P2-2
0	1	1	0	1	0	1	0	P2-3
1	1	0	0	0	0	0	0	P2-4
1	0	0	0	0	0	1	0	P2-5
0	0	1	1	0	0	0	1	P2-6
0	1	0	0	0	0	0	1	P2-7
0	0	0	1	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	1	1	0	0	1	0	P2-10
0	0	0	0	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	0	0	P2-13
0	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-35-C2-US

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	1	0	0	0	0	0	P2-1
0	0	0	0	0	0	1	0	P2-2
0	1	1	0	1	0	1	0	P2-3
1	1	1	0	0	0	1	1	P2-4
1	0	0	0	0	0	0	1	P2-5
0	1	0	1	0	0	0	0	P2-6
0	1	0	0	0	0	0	0	P2-7
0	0	0	1	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	1	0	0	0	1	0	P2-10
0	0	0	0	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	0	0	P2-13
0	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-35-C4-US

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	1	0	0	0	0	0	P2-1
0	0	0	0	0	0	1	0	P2-2
0	1	1	0	1	0	1	0	P2-3
1	1	1	0	0	0	1	1	P2-4
1	0	0	0	0	0	0	1	P2-5
0	1	0	1	0	0	0	0	P2-6
0	1	0	0	0	0	0	0	P2-7
0	0	0	1	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	0	0	0	0	1	0	P2-10
0	0	0	0	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	0	0	P2-13
0	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-36-C4-US

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	1	0	0	0	0	0	P2-1
0	0	0	0	0	0	1	0	P2-2
1	0	0	1	1	0	1	0	P2-3
1	1	1	0	0	0	1	1	P2-4
1	0	0	0	0	0	0	1	P2-5
0	1	0	1	0	0	0	0	P2-6
0	1	0	1	0	0	0	0	P2-7
0	0	0	0	1	1	0	0	P2-8
0	0	0	0	0	0	0	0	P2-9
0	1	1	0	0	0	0	1	P2-10
1	1	0	1	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	1	1	0	1	P2-13
1	0	0	1	1	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-36-H2-CA

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	1	1	0	1	0	P2-1
1	0	0	0	0	0	0	0	P2-2
1	0	0	1	1	0	1	0	P2-3
1	1	0	0	0	0	0	0	P2-4
1	0	0	0	0	0	1	0	P2-5
0	0	1	1	0	0	0	1	P2-6
0	1	0	1	0	0	0	0	P2-7
0	0	0	0	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	0	1	0	0	0	1	P2-10
1	1	0	1	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	1	1	0	1	P2-13
1	0	0	1	1	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-30-H2-MX

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	1	1	0	1	0	P2-1
0	0	1	0	0	0	1	1	P2-2
0	1	1	0	0	0	0	0	P2-3
1	1	1	0	0	0	0	0	P2-4
1	0	0	0	0	0	0	0	P2-5
0	1	0	1	0	0	0	0	P2-6
0	1	0	0	0	0	1	0	P2-7
0	0	0	1	1	1	0	0	P2-8
0	0	0	0	0	0	0	1	P2-9
0	0	0	0	0	0	0	1	P2-10
0	0	0	0	0	0	0	0	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	0	0	P2-13
0	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-36-H4-MX

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	1	1	0	1	0	P2-1
0	0	1	0	0	0	1	1	P2-2
1	0	0	1	0	0	0	0	P2-3
1	1	1	0	0	0	0	0	P2-4
1	0	0	0	0	0	0	0	P2-5
0	1	0	0	1	0	0	0	P2-6
0	1	0	1	0	0	0	0	P2-7
0	0	0	0	1	1	0	0	P2-8
0	0	0	0	0	0	0	0	P2-9
0	0	0	1	0	0	0	1	P2-10
1	1	0	1	0	0	0	0	P2-11
0	0	0	0	1	1	0	1	P2-12
0	0	1	0	1	1	0	1	P2-13
1	0	0	1	1	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-66-H4-SG

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	0	0	1	0	0	P2-1
0	1	0	0	0	0	0	0	P2-2
1	0	0	1	0	0	1	0	P2-3
1	1	0	0	0	0	0	0	P2-4
0	0	1	0	0	0	0	0	P2-5
0	0	1	1	0	0	0	0	P2-6
0	1	0	1	1	1	0	0	P2-7
0	1	1	0	1	1	0	0	P2-8
0	1	1	1	1	0	1	0	P2-9
0	0	1	0	0	0	0	1	P2-10
1	1	0	1	0	0	0	1	P2-11
0	0	0	0	0	0	0	0	P2-12
0	0	0	0	1	1	0	1	P2-13
1	0	1	1	1	0	1	1	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-56-H4-SW

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	0	0	1	0	0	P2-1
0	1	1	0	1	0	1	1	P2-2
1	0	0	1	0	0	1	0	P2-3
1	1	0	0	0	0	0	0	P2-4
0	1	0	0	0	1	0	0	P2-5
0	0	0	0	0	0	0	0	P2-6
1	1	0	1	1	1	1	0	P2-7
0	1	1	0	0	1	1	0	P2-8
0	1	1	1	1	1	1	0	P2-9
1	0	1	0	0	1	0	1	P2-10
1	1	0	0	0	0	0	1	P2-11
0	0	0	0	0	1	1	0	P2-12
0	0	0	0	0	1	1	0	P2-13
0	0	1	1	1	0	1	1	P2-14
0	0	0	0	0	0	1	1	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-46-H4-CL

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	0	0	1	0	0	P2-1
0	0	1	0	0	0	1	1	P2-2
1	0	0	1	0	0	0	0	P2-3
1	1	1	0	0	0	0	0	P2-4
1	0	0	0	0	0	0	0	P2-5
0	0	0	0	1	0	0	0	P2-6
0	1	0	1	0	0	0	0	P2-7
0	0	0	0	1	1	0	0	P2-8
0	0	0	1	0	0	0	0	P2-9
0	0	0	0	0	0	0	1	P2-10
1	1	0	1	0	0	0	0	P2-11
0	0	0	0	1	1	0	1	P2-12
0	0	0	0	1	1	0	1	P2-13
1	0	0	0	0	0	0	0	P2-14
0	0	0	0	0	0	0	0	P2-15
0	0	0	0	0	0	0	0	P2-16

■ For SL-5900-76-H4-AU

W5	W4	W3	W2	UP5	UP4	UP3	UP2	Page
0	0	0	0	0	1	0	0	P2-1
0	1	1	0	1	0	1	1	P2-2
1	0	0	1	1	0	1	0	P2-3
1	1	0	0	0	0	0	0	P2-4
0	0	0	0	0	1	0	0	P2-5
0	0	0	0	1	0	0	0	P2-6
0	0	1	1	1	1	1	0	P2-7
0	1	0	1	0	0	0	0	P2-8
0	1	1	0	1	1	1	0	P2-9
0	0	1	0	0	0	0	1	P2-10
1	1	0	0	0	0	0	1	P2-11
0	1	0	0	0	0	0	0	P2-12
0	0	0	0	0	0	1	0	P2-13
1	0	1	1	1	0	1	1	P2-14
0	0	0	0	0	1	1	1	P2-15
0	0	0	0	0	0	0	0	P2-16

