

Operating Manual



You can help improve this manual by calling attention to errors and by recommending improvements. Please convey your comments to the nearest Ishida Company regional representative. **Thank you!**

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SAFETY CONSIDERATIONS

To ensure safe operation, the general safety considerations below must be followed.

Grounding

This instrument is a Class 1 device which requires protective grounding for safe operation.

To avoid potential shock hazards, a protective grounding conductor for the instrument must be securely connected to the main grounding provision by qualified service personnel.

Do not remove covers, enclosures, or connectors

To avoid personal injury and shock, do not open or remove any covers, enclosures, or connectors of the instrument unless specified in the manual.

Do not perform unspecified maintenance

For your personal safety, do not perform any maintenance procedures which are not specified in the manual.

Disconnect power supply before servicing

To ensure your personal safety, disconnect the power supply before servicing.

Secure machine to fixed location with screws

This machine is to be installed to a fixed location and secured to the floor with suitable screws. The level must be adjusted by qualified service personnel at time of installation.



Power supply to the machine is disconnected only when the electrical plug is removed from the electrical outlet. For safe operation of this machine, connect the plug to the nearest and most accessible outlet.

The following symbols are used to alert the operator of potential danger or special circumstances related to the safe and proper operation of this machine:



Precautions which must be followed to prevent the possibility of death or serious injury.



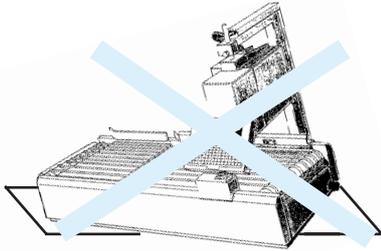
Precautions which must be followed to prevent the possibility of light or moderately severe injury to personnel or damage to the equipment.

NOTE:

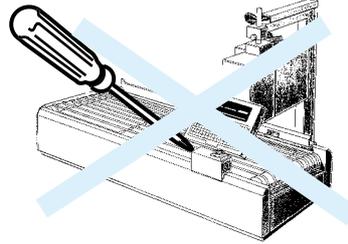
Important information for the operation of the machine.



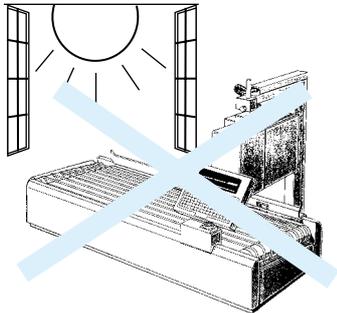
CAUTIONS FOR USE



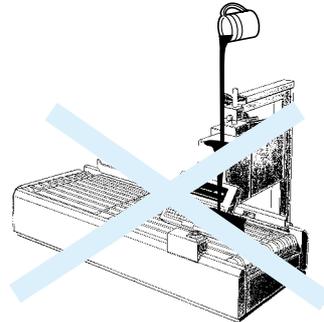
- ▶ Always operate the scale on a level surface.



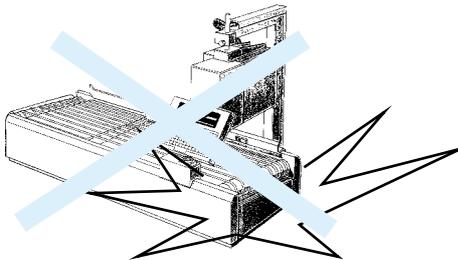
- ▶ Do not disassemble the scale.



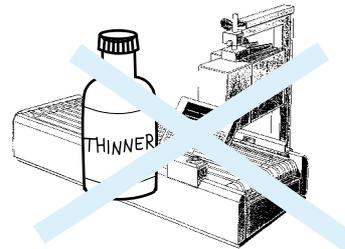
- ▶ Do not expose the scale to direct sunlight for long periods.



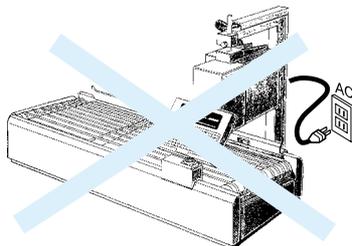
- ▶ Do not allow any liquids to come into contact with the scale or terminal.



- ▶ Do not drop or apply a strong shock to the scale.



- ▶ When cleaning the scale, only use a soft dry cloth or a cloth wetted with a neutral cleanser. Never use thinner or other volatile liquids.



Always operate the scale with the same rated AC power supply shown on the specification plate.

Table of Contents

Chapter 1

Overview

1.1	Appearance.....	2
1.2	Display	2
1.3	Operation Keys	3
1.3.1	Operation Key Sheet	3
1.3.2	Basic Function Keys	4
1.3.3	Additional Function Keys	5
1.4	Loading Label/Receipt Roll	7

Chapter 2

Daily Operation

2.1	Pre-operation Inspection	10
2.2	Power On	11
2.3	Prepack for Weighed Item	12
2.4	Prepack for Fixed-price Item	13
2.5	Sales of Weighed Item	14
2.6	Sales of Fixed-price Item	15
2.7	Label Batch Print	16
2.8	Pack Count Sub-total	17
2.9	Mark Down Functions	18
2.10	Unit Price Override	19
2.11	Voiding the Last Label	19
2.12	Switching Sales Mode	19
2.13	Date Override	19
2.14	Target Control	20

Chapter 3

Subtraction

3.1	Subtraction Mode	22
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Chapter 4

Troubleshooting

4.1	Error Messages	26
4.2	How to Release Error Conditions	27
4.3	How to Replace Fuse	27
4.4	Other Problems	27

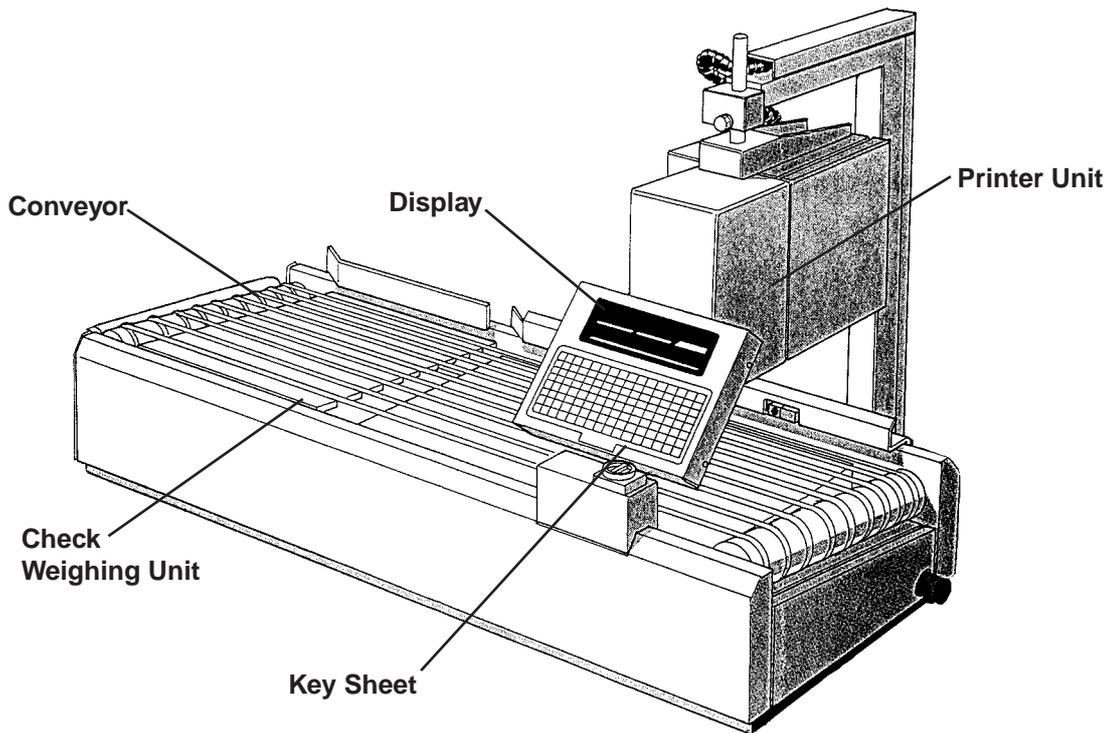
CHAPTER 1

OVERVIEW

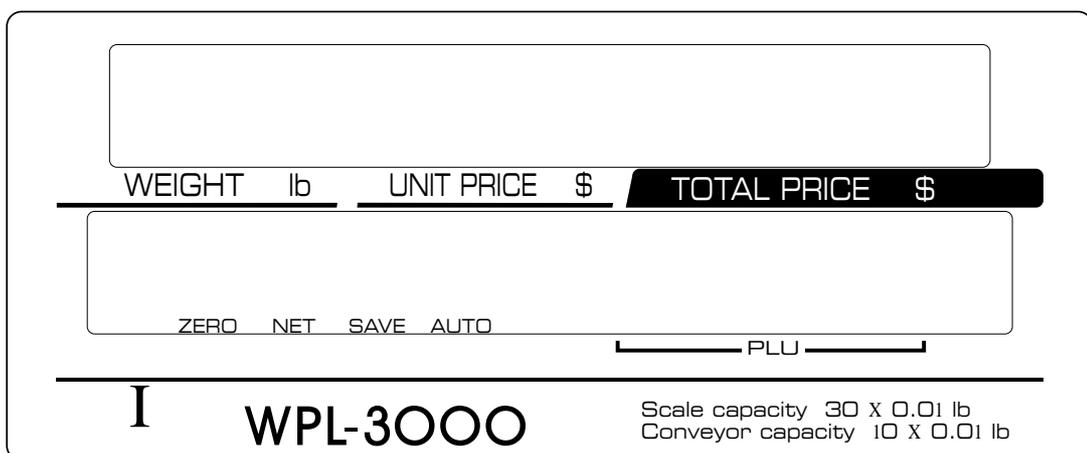
Contents

1.1	Appearance	2
1.2	Display	2
1.3	Operation Keys	3
1.3.1	Operation Key Sheet	3
1.3.2	Basic Function Keys	4
1.3.3	Additional Function Keys	5
1.4	Loading Label/Receipt Roll	7

1.1 Appearance

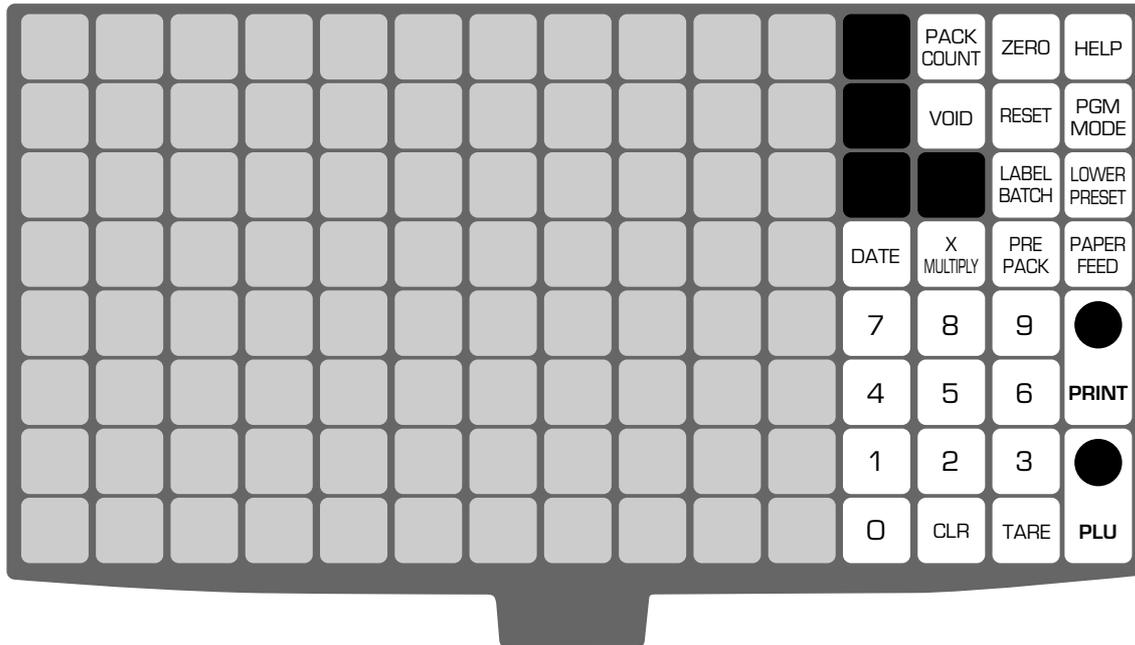


1.2 Display



1.3 Operation Keys

1.3.1 Operation Key Sheet



 Preset Keys

 Additional Function Keys

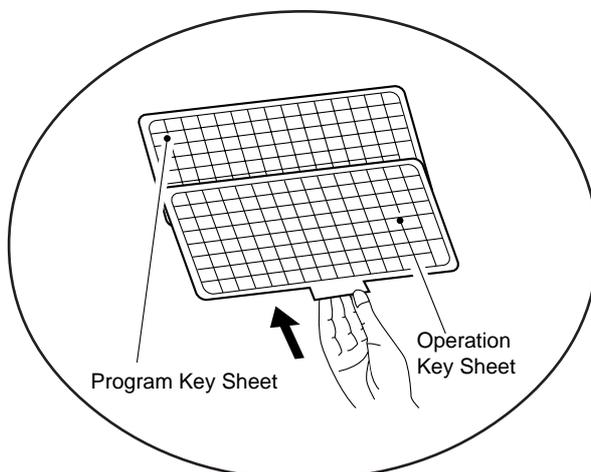
Keys 1 to 4 are dealer options.

Default preset functions:

- PF (1) : Conveyor start key
- PF (2) : Conveyor stop key
- PF (3) : Tray selection key
- PF (4) : Target

Four of the following options can be preset by the dealer in accordance with the customer's request.

- DATE/TIME display
- STORE NAME number
- LOGO number
- EXTRA TEXT number
- POP TEXT number
- COUPON TEXT number
- FIXED PRICE
- FIXED WEIGHT
- DISCOUNT
- AMOUNT DISCOUNT
- PERCENTAGE DISCOUNT
- LABEL SWITCH
- TARGET QUANTITY
- TARGET PRICE
- TARGET WEIGHT
- OPERATOR
- ADD
- START
- STOP
- ROTATE
- TRAY
- UPPER
- LOWER
- BAR



Insert the Operation Key Sheet over the Program Key Sheet.

1.3.2 Basic Function Keys

**NUMERIC ENTRY**

Keys 0 through 9 are used to enter numeric data.

to

**PREPACK**

Used to switch between auto printing mode and the manual printing mode.

**PRINT**

Used to print labels/receipts.

**CLEAR**

Used to cancel incorrectly entered numeric data.

**PROGRAM MODE**

Used to access the program subtraction, and total modes after a 4-digit password has been entered. Also used to exit the entered mode.

**LABEL BATCH**

Used to issue batches of labels.

**TARE**

Used to subtract the tare weight from the total weight on the weigh platter.

**LOWER PRESET**

Used to access the second level of data programmed to the preset keys.

**TEMPORARY DATE**

Used to change the current date of the scale temporarily. This allows labels to be produced ahead of time for prepacking items.

**MULTIPLIER**

Used to multiply the entered quantity of fixed-price items.

**VOID**

Used to cancel the previous label issued.

**PACK COUNT SUB-TOTAL**

Used to issue a label that shows the number of labels (packs), total weight and amount which have been printed since this key was last pressed.

**ZERO ADJUSTMENT**

Used to return the scale to zero. This key will only function if nothing is on the weigh platter. This change is effective until the next PLU is accessed.

**PAPER FEED**

Used to advance labels/receipts to the correct printing position.

**HELP**

Used to display an explanation (up to 32 letters) of each function key.

**PLU SELECT**

Used to access PLU data. Also used to display the tare weight.

**RESET**

Used to forcibly exit a particular mode and return to the initial status of the normal mode.

1.3.3 Additional Function Keys

**DATE/TIME**

Used to display the current date and time for a few seconds.

**DISCOUNT**

Used to enter a special selling price.

**STORE NAME**

Used to access the store name corresponding to the entered number after the PLU has been accessed.

**AMOUNT DISCOUNT**

Used to subtract the entered amount from the selling price.

**LOGO**

Used to access a logo message corresponding to the entered number after the PLU has been accessed.

**PERCENTAGE DISCOUNT**

Used to subtract the entered percentage from the selling price.

**EXTRA TEXT**

Used to access an extra message corresponding to the entered number after the PLU has been accessed.

**LABEL SWITCH**

Used to change the label format.

**POP TEXT**

Used to access the POP text corresponding to the entered number after the PLU has been accessed.

**TARGET QUANTITY**

Used to preset a target quantity. After reaching the target quantity, a message informing that the target has been reached will be displayed.

**COUPON TEST**

Used to access a coupon message corresponding to the entered number after the PLU has been accessed.

**TARGET PRICE**

Used to preset a target price. After reaching the target price, a message informing that the target has been reached will be displayed.

**FIXED PRICE**

Used to temporarily change from weight item sales to fixed-price item sales. Also used to enter a new fixed price.

**TARGET WEIGHT**

Used to preset a target weight. After reaching the target weight, a message informing that the target has been reached will be displayed.

**FIXED WEIGHT**

Used to temporarily change the fixed weight. Also used to enter the fixed weight.

**OPERATOR**

Used to record name of operator. Function keys become active after the operator enters two digit code.

**ADD**

Used to toggle between add and no add function. When key is pressed, the activate mode will be displayed.

**START**

Used to start conveyor manually. When PLU is not active, the product will pass through without being weighed.

**STOP**

Used for conveyor emergency stop. To resume operation, press the START key.

**ROTATE**

Used to apply label in front or rear. Press function to change mode.

**TRAY**

Used to control conveyor delay by tray size. Each tray has a default setting with a programmed value. It is possible to change between 16 setting modes.

**UPPER**

Used to set upper limit weighing range. When the upper limit is exceeded, weighing cannot be completed and an error buzzer sounds.

**LOWER**

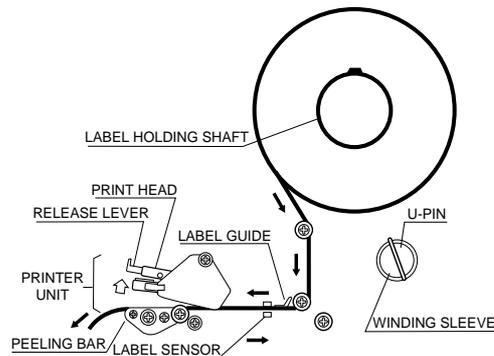
Used to set lower level limit weighing range. When weight is insufficient, weighing cannot be completed and an error buzzer sounds.

**BAR**

Used to prevent bar code from being printed. This is only in effect for one item processing cycle and returns to default settings when completed.

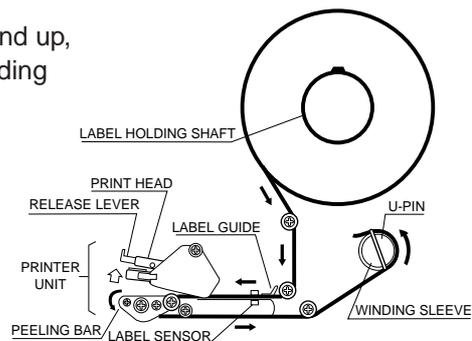
1.4 Loading Label/Receipt Roll

1. Make sure that the power is off.
2. Open the side cover of the printer unit.
3. Pull the release lever to raise the printer head.
4. Insert a new roll onto the label holding shaft.
5. When using the label roll, remove labels from the first 30 cm (12 inches) of backing paper.
6. Thread the label paper as shown below.

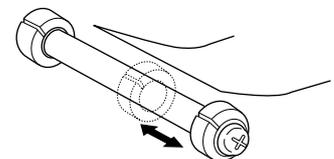


Check that the backing paper is:

- threaded properly under the label guide.
 - threaded properly through the label sensor.
 - threaded properly over the peeling bar, making sure it passes through the groove.
7. When the label/receipt needs to be wound up, wind the tip of the paper around the winding sleeve and fasten it with the U-pin.



8. Move the ring to adjust the guide shaft to the width of the label/receipt.
9. Push the printer head down until it locks securely.
10. Close the side cover of the printer unit.
11. Turn on the power and press the PAPER FEED key to advance the label/receipt to the correct printing position.



CHAPTER 2

DAILY OPERATION

Contents

2.1	Pre-operation Inspection	10
2.2	Power On	11
2.3	Prepack for Weighed Item	12
2.4	Prepack for Fixed-price Item	13
2.5	Sales of Weighed Item	14
2.6	Sales of Fixed-price Item	15
2.7	Label Batch Print	16
2.8	Pack Count Sub-total	17
2.9	Mark Down Functions	18
2.10	Unit Price Override	19
2.11	Voiding the Last Label	19
2.12	Switching Sales Mode	19
2.13	Date Override	19
2.14	Target Control	20

2.1 Pre-operation Inspection

In order to maintain optimum scale performance, perform the following inspection before starting daily operations.

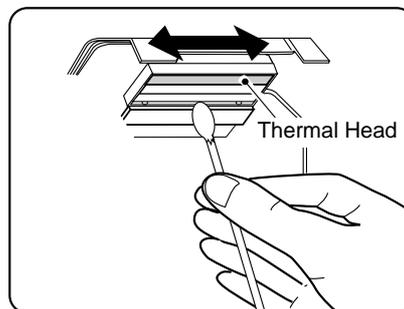
 CAUTION	Always turn off the power switch when performing this inspection.
-----------------------------------------------------------------------------------------------------	-------------------------------------------------------------------

1. Make sure that the power is off.



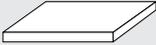
2. Check that the scale is clean and free of foreign matter.
If not, wipe any soiled areas with a dry cloth.

3. In order to maintain print quality, clean the thermal head at least once a week with a cotton swab dipped in cleaning fluid.



 CAUTION	Do not use metal tools to clean the thermal head as they may damage the head surface.
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2.2 Power On

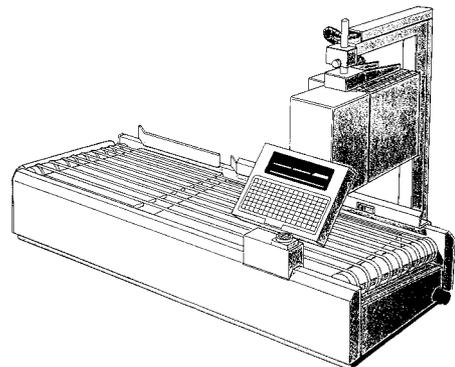
<p>1 Turn on the power. The machine will perform display check before entering normal mode and starting weighing function.</p>	
<p>2 Make sure that nothing is on the weigh platter.</p>	
<p>3 Check that the ZERO and AUTO indicators are lit.</p>	
<p>4 If the AUTO indicator is not lit, press the PREPACK key.</p>	
<p>5 If the ZERO indicator is not lit, press the ZERO key.</p>	

NOTE: When the power is turned on, the conveyor will stop in its lowered position and the machine will perform display check before entering normal mode. When in normal mode, the weighing function will start and PLU functions can be accessed.

The WPL-3000 can be switched between automatic and manual weighing modes.

Manual weighing mode allows the operator to stop and lower conveyor in addition to automatic printing.

Automatic weighing allows the operator to call up PLU operations and raise conveyor in addition to automatic printing.

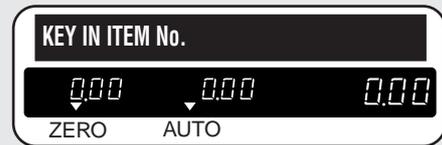


When the conveyor is started without calling up a PLU operation, the machine will pass the item through without performing weighing or labeling operations.

2.3 Prepack for Weighed Item

1 Check that nothing is on the weigh platter.

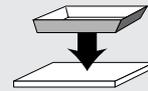
- Check that the ZERO and AUTO indicators are lit.
- If the AUTO indicator is not lit, press the PREPACK key.
- If the ZERO indicator is not lit, press the ZERO key.



2 Subtract the tare.

Weighing tare

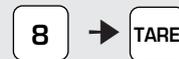
- Place the tare on the weigh platter. The tare weight will be displayed.
- Press the TARE key. The displayed value will return to zero, and the NET indicator will light.



Fixed tare weight

- Enter the tare weight and press the TARE key.

Example: Tare Weight = 0.08 lb.



Tare look-up key

- Press the Tare Look-Up (preset) key.

Example: Tare Look Up #1 (0.12 lb.)



3 Enter the PLU.

PLU number entry

- Enter the PLU number (between 1 and 999999) and press the PLU key.

Example: PLU no. = 350

If the PLU is already programmed, the PLU can be accessed by pressing the appropriate PLU key. Activating the PLU will raise the conveyor to send item for prepacking.



PLU (preset) key

- Press the preset key in which the PLU item data is set.

Example: When accessing PLU10

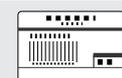
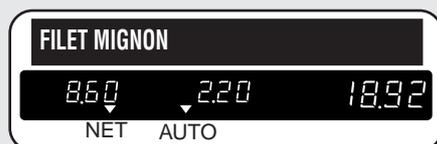
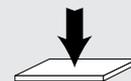


Example: When accessing PLU90

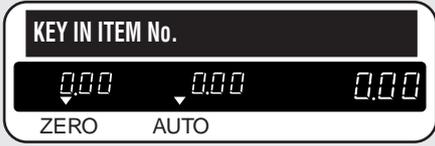
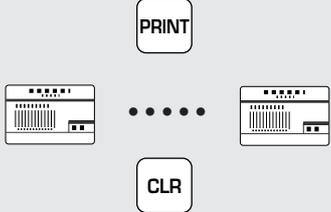
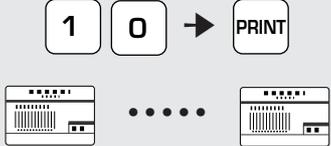


4 Weigh the item.

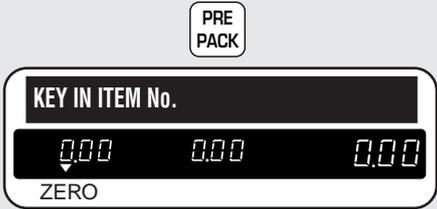
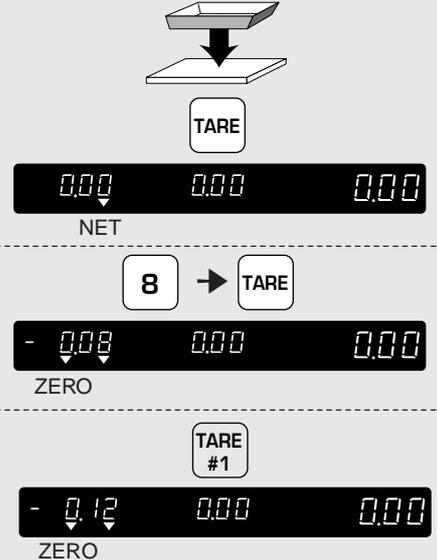
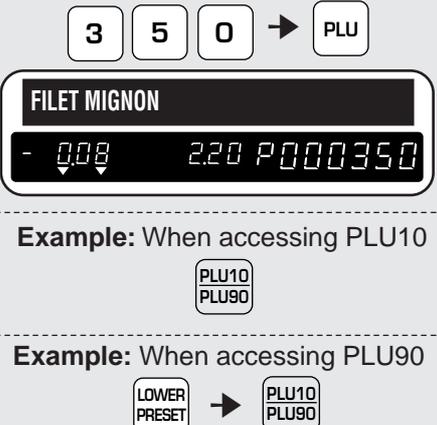
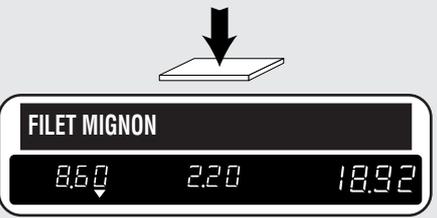
- Place the item on the weigh platter.
 - Example:** Net weight = 8.60 lb.
 - Unit price = \$2.20/lb.
- The label is automatically printed.
- Repeat this step until all the items are weighed.



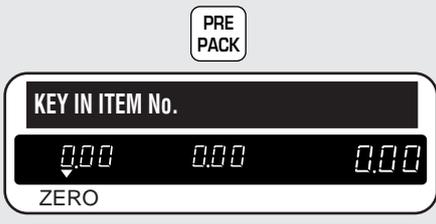
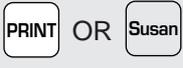
2.4 Prepack for Fixed-price Item

<p>1 Check that nothing is on the weigh platter.</p> <ul style="list-style-type: none"> • Check that the ZERO and AUTO indicators are lit. • If the AUTO indicator is not lit, press the PREPACK key. • If the ZERO indicator is not lit, press the ZERO key. 	
<p>2 Enter the PLU.</p> <p>PLU number entry</p> <ul style="list-style-type: none"> • Enter the PLU number and press the PLU key. <p>Example: PLU No. = 450</p> <p>If the PLU is already programmed, the PLU can be accessed by pressing the appropriate PLU key. Activating the PLU will raise the conveyor to send item for prepacking.</p> <p>PLU (preset) key</p> <ul style="list-style-type: none"> • Press the preset key in which the PLU item data is set. 	 <p>Example: When accessing PLU15</p>  <p>Example: When accessing PLU95</p> 
<p>Print labels.</p> <ul style="list-style-type: none"> • Press the PRINT key to continuously issue labels. • Press the CLEAR key to stop printing. <p>OR</p> <ul style="list-style-type: none"> • Enter the number of labels, and press the PRINT key. <p>Note: Press the CLEAR key once to temporarily stop printing. To continue printing, press the PRINT key again.</p>	<p>Example: Continuous issue</p>  <p>Example: Ten labels</p> 

2.5 Sales of Weighed Item

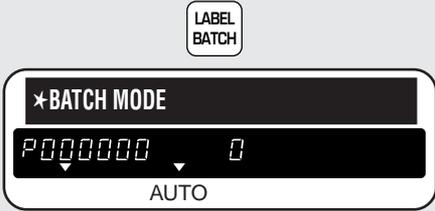
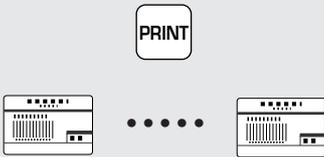
<p>1 Press the PREPACK key.</p> <ul style="list-style-type: none"> • Check that nothing is on the weigh platter. • Check that the ZERO indicator is lit. <i>Note: If the ZERO indicator is not lit, press the ZERO key.</i> • Check that the AUTO indicator is not lit. <i>Note: If the AUTO indicator is lit, press the PREPACK key again to turn off the indicator.</i> 	
<p>2 Subtract the tare.</p> <p>Weighing tare</p> <ul style="list-style-type: none"> • Place the tare on the weigh platter. The tare weight will be displayed. • Press the TARE key. The displayed value will return to zero, and the NET indicator will light. <p>Fixed tare weight</p> <ul style="list-style-type: none"> • Enter the tare weight and press the TARE key. Example: Tare Weight = 0.08 lb. <p>Tare look-up key</p> <ul style="list-style-type: none"> • Press the Tare Look-Up (preset) key. Example: Tare Look Up #1 (0.12 lb.) 	
<p>3 Enter the PLU.</p> <p>PLU number entry</p> <ul style="list-style-type: none"> • Enter the PLU number and press the PLU key. Example: PLU no. = 350 <p>PLU (preset) key</p> <ul style="list-style-type: none"> • Press the preset key in which the PLU item data is set. 	
<p>4 Weigh the item.</p> <ul style="list-style-type: none"> • Place the item on the weigh platter. Example: Net weight = 8.60 lb. Unit price = \$2.20/lb. • The label is automatically printed. • Repeat this step until all the items are weighed. <i>Note: When the scale is in the manual print mode by pressing the PREPACK key, labels will only be issued when the PRINT or OPERATOR key is pressed.</i> 	
<p>5 Issue labels.</p> <p>Press the PRINT key.</p> <p>Press the OPERATOR key when the operator system is used.</p>	

2.6 Sales of Fixed-price Item

<p>1 Press the PREPACK key.</p> <ul style="list-style-type: none"> • Check that nothing is on the weigh platter. • Check that the ZERO indicator is lit. <p>Note: <i>If the ZERO indicator is not lit, press the ZERO key.</i></p> <ul style="list-style-type: none"> • Check that the AUTO indicator is not lit. <p>Note: <i>If the AUTO indicator is lit, press the PREPACK key again to turn off the indicator.</i></p>	
<p>2 Enter the PLU.</p> <p>PLU number entry</p> <ul style="list-style-type: none"> • Enter the PLU number and press the PLU key. <p>Example: PLU no. = 450 Fixed price = \$0.98</p> <p>PLU (preset) key</p> <ul style="list-style-type: none"> • Press the preset key in which the PLU item data is set. 	 <p>Example: When accessing PLU15</p>  <p>Example: When accessing PLU95</p> 
<p>3 Print the labels.</p> <p>Enter the number of labels, and press the PRINT key.</p> <p>Press the PRINT key or the OPERATOR key for one label to be issued.</p> <p>Note: <i>Press the CLEAR key once to temporarily stop printing. To continue printing, press the PRINT key again.</i></p>	<p>Example: Ten labels</p>  <p>Example: One label</p> 

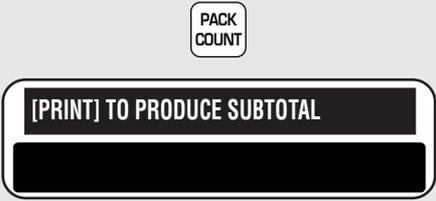
2.7 Label Batch Print

This function presets the number of fixed-price labels (for up to 20 items) to be printed. This function is only available for fixed-price items when in the AUTO mode.

<p>1 Enter the label batch print mode.</p> <ul style="list-style-type: none"> Press the LABEL BATCH key to enter the label batch print mode. 	
<p>2 Enter the PLU.</p> <p>PLU number entry</p> <ul style="list-style-type: none"> Enter the PLU number and press the PLU key. <p>Example: PLU no. = 450 Fixed price = \$0.98</p> <p>PLU (preset) key</p> <ul style="list-style-type: none"> Press the preset key in which the PLU item data is set. <p>Note: If the weighed item is entered, the beep will sound.</p>	 <p>Example: When accessing PLU15</p>  <p>Example: When accessing PLU95</p> 
<p>3 Enter the desired number of labels.</p> <ul style="list-style-type: none"> Enter the number of labels to be issued. (Max. 999) Press the LABEL BATCH key. 	<p>Example: Twenty labels</p>  
<p>4 Enter any other PLUs, if necessary.</p> <ul style="list-style-type: none"> Repeat steps 2 and 3 when labels for any other PLUs are needed. A maximum of 20 PLUs can be entered. 	
<p>5 Print labels.</p> <ul style="list-style-type: none"> Press the PRINT key. <p>Note: Press the CLEAR key once to temporarily stop printing. To continue printing, press the PRINT key again.</p>	

2.8 Pack Count Sub-total

This function is used to print labels for packing, including the total quantity, total weight and total sales amount which have been issued since the last time the PACK COUNT key was pressed.

<p>1 Enter the pack count sub-total mode.</p> <ul style="list-style-type: none">• Press the PACK COUNT key. <p><i>Note: Press the CLEAR key to exit the pack count subtotal mode.</i></p>	 <p>The diagram shows a rectangular button labeled "PACK COUNT" at the top. Below it is a screen with a black background and white text that reads "[PRINT] TO PRODUCE SUBTOTAL". Below the screen is a solid black horizontal bar.</p>
<p>2 Print the pack count sub-total.</p> <ul style="list-style-type: none">• Press the PRINT key.	 <p>The diagram shows a rectangular button labeled "PRINT" at the top. Below it is a small icon of a printer with a sheet of paper coming out, representing the printing process.</p>
<p>3 Return to the normal mode.</p> <ul style="list-style-type: none">• Press the CLEAR key to return to the normal mode.	 <p>The diagram shows a rectangular button labeled "CLR" at the top.</p>

2.9 Mark Down Functions

The following mark down options are available. Only one of these three options can be programmed for use.

- (1) Amount discount
- (2) Percentage discount
- (3) Special price

2.9.1 Amount Discount

<p>1 Enter the discount amount.</p> <p><i>Note:</i> Discount amount must be less than displayed total price.</p> <p>Discount amount entry</p> <ul style="list-style-type: none">Enter the amount to be discounted and press the AMOUNT DISCOUNT key. <p>AMOUNT DISCOUNT (preset) key</p> <ul style="list-style-type: none">Press the PRESET key in which the amount discount data is set.	<p>Example: Discount Amount = \$0.50</p> <p>5 0 → -\$</p> <hr/> <p>\$ -0.50</p>
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2.9.2 Percentage Discount

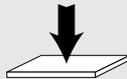
<p>1 Enter the discount percentage.</p> <p><i>Note:</i> 1 to 99 percentage discount available.</p> <p>Discount percentage entry</p> <ul style="list-style-type: none">Enter the percentage to be discounted and press the PERCENTAGE DISCOUNT key. <p>PERCENTAGE DISCOUNT (preset) key</p> <ul style="list-style-type: none">Press the PRESET key in which the percentage discount data is set.	<p>Example: Discount Percentage = 10%</p> <p>1 0 → -%</p> <hr/> <p>-10%</p>
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2.9.3 Special Price

<p>1 Enter the special price.</p> <ul style="list-style-type: none">Enter the special price and press the DISCOUNT key. <p><i>Note:</i> Special price must be less than displayed total price.</p>	<p>Example: Special Price = \$4.50</p> <p>4 5 0 → DISCOUNT</p>
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2.10 Unit Price Override

This feature only functions for the weighed PLUs which are programmed to allow unit price override.

1 Enter the desired unit price. <i>Note 1: If the entered unit price is not accepted at this point, possibly the PLU has not been programmed to allow price override.</i> <i>2: A warning beep will sound when trying to override a unit price while an item is on the scale.</i>	Example: \$3.50 
2 Place the item on the scale.	

2.11 Voiding the Last Label

This function cancels the transaction of the previously printed label.

1 Press the VOID key immediately after the label is issued.	 The following is displayed for a few seconds when Void is completed. 
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2.12 Switching Sales Mode

This function is used to switch the mode from the weighed item sales to the fixed-price item sales.

1 Enter the fixed price. <i>Note: Skip this step if the fixed price is the same as the preset unit price.</i>	Example: Fixed Price = \$8.00 
2 Press the FIXED PRICE key.	

2.13 Date Override

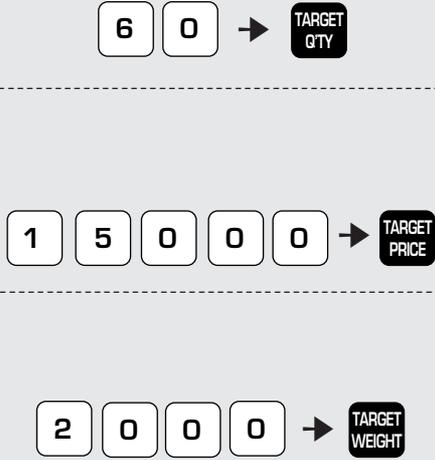
This function is used to temporarily change the current date, allowing labels to be produced ahead of time for prepacking items.

1 Enter the six-digit date (MMDDYY) and press the DATE key. <i>Note: The scale may be configured at installation to override the expire date instead of the current date.</i>	Example: November 20, 1996 
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2.14 Target Control

A target quantity, sales amount, or weight can be preset by using the TARGET QUANTITY, TARGET PRICE, or TARGET WEIGHT key. When the target is reached or exceeded, the scale will inform the operator that the target has been reached and operations will be suspended until a new target is set.

If more than one target is set, the first target to be reached will have priority over the other targets.

<p>1 Enter the target.</p> <p>Enter the target quantity followed by the TARGET QUANTITY key.</p> <p>Example: Target quantity = 60 pcs.</p> <p>Enter the target price followed by the TARGET PRICE key.</p> <p>Example: Target price = \$150.00</p> <p>Enter the target weight followed by the TARGET WEIGHT key.</p> <p>Example: Target weight = 20 lb.</p>	
<p>2 When the target is reached.</p> <p>As soon as the target is reached, the scale informs the operator the target has been reached.</p>	
<p>3 Press the CLEAR key to release the error condition.</p> <p><i>Note:</i> At this point, set targets remain unchanged.</p>	
<p>4 Press the 0 key followed by an appropriate TARGET key to reset the target to 0.</p>	

CHAPTER 3

SUBTRACTION

Contents

3.1	Subtraction Mode	22
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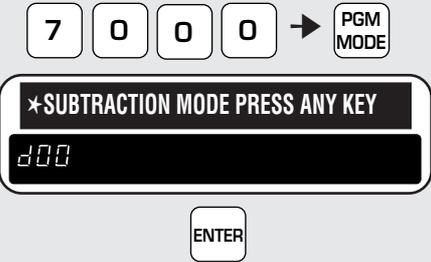
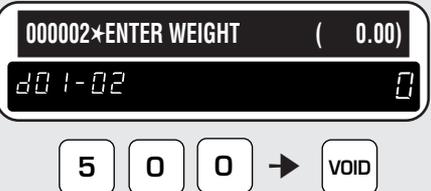
3.1 Subtraction Mode

The subtraction mode is used to correct the running totals. The totals require correction if accurate reports are to be generated. The following are two examples of when the subtraction mode is used.

- a. product returned by customers
- b. incorrectly produced labels

The totals are subtracted from the running totals by a PLU number. The operator has to enter the product number, quantity, weight, and price. The best way to manage returns is to keep all incorrectly produced labels in one place and subtract each label in turn.

Note: Confirm that the Operation Key Sheet, and not the Program Key Sheet, is being used for this operation.

Step	Description	Keys and Display
1	<p>Subtraction Mode</p> <ul style="list-style-type: none"> Enter the password followed by the PROGRAM MODE key to access the subtraction mode. <p>Example: Password = 7000</p> <p>Note: To exit the subtraction mode, press the PROGRAM MODE key again.</p> <ul style="list-style-type: none"> Press the ENTER key. 	
2	<p>PLU Number</p> <ul style="list-style-type: none"> Enter the PLU number followed by the PLU key. <p>Example: PLU no. 2</p>	
3	<p>Quantity of Item</p> <ul style="list-style-type: none"> Enter the quantity of the item (label) to be subtracted, followed by the VOID key. <p>Example: Three (3) pcs.</p>	
4	<p>Weight of Item</p> <ul style="list-style-type: none"> Enter the weight of the item (label) to be subtracted, followed by the VOID key. <p>Example: Five (5) pounds</p> <p>Note: If a mistaken entry was made, use the VOID key to return to the screen with the mistake. Then enter the correct data.</p>	

Step	Description	Keys and Display
5	<p>Amount of Item</p> <ul style="list-style-type: none"> Enter the amount of the item (label) to be subtracted, followed by the VOID key. <p>Example: \$3.75</p> <p>Note: If a mistaken entry was made, use the VOID key to return to the screen with the mistake. Then enter the correct data.</p>	 <p>3 7 5 → VOID</p>
6	<p>Print</p> <ul style="list-style-type: none"> Press the PRINT key when not using the operator system. <p>OR</p> <ul style="list-style-type: none"> Press the OPERATOR key when using the operator system. 	 <p>PRINT</p> <hr/>  <p>Susan</p>
7	<p>Repeat</p> <ul style="list-style-type: none"> Repeat steps 2 through 6 for any other items (labels) to be voided. 	
8	<p>Return to Operation Mode</p> <ul style="list-style-type: none"> Press the PROGRAM MODE key to return to the normal operation. 	<p>PGM MODE</p> 

CHAPTER 4

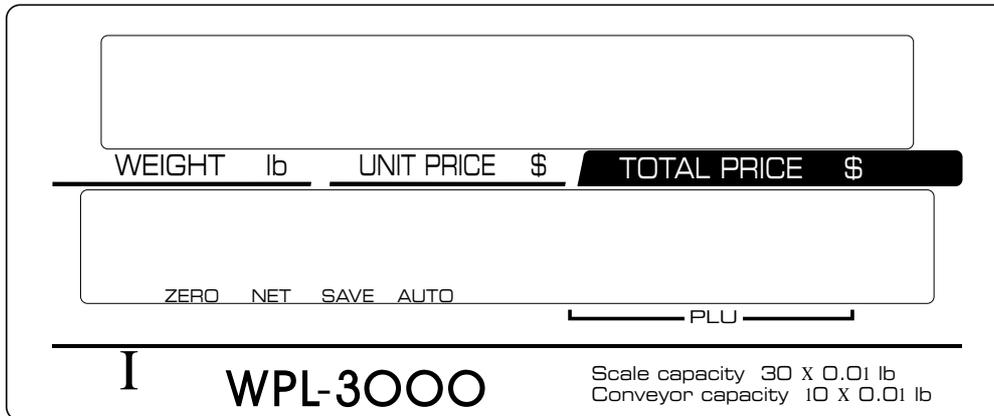
TROUBLESHOOTING

Contents

4.1	Error Messages	26
4.2	How to Release Error Conditions...	27
4.3	How to Replace Fuse	27
4.4	Other Problems	27

4.1 Error Messages

When errors occur, use the error table below to ascertain the cause of the error and to recover normal operations.



Error No.	Error Message	Error Contents
2	CHARACTER OVER	Too many characters have been entered.
3	POP MESSAGE: OVER CHARACTER	POP message has too many characters.
4	AD MESSAGE: OVER CHARACTER	Advertisement message has too many characters.
6	REG. CODE: OVER CHARACTER	Registered code has too many characters.
7	STORE NAME/ADDR.: OVER CHARACTER	Store name and address have too many characters.
8	LABEL END	All labels have been used.
9	LABEL SIZE ERROR	Improper label size is used.
10	EXCESS \$ ON SCALE ITEM	The special price has been entered higher than the preset price.
11	TABLE STRUCTURE CORRUPTION	Table structure has become corrupted.
12	COUPON MESSAGE: OVER CHARACTER	Coupon message has too many characters.
13	SET THE TARGET PRESS [CL] KEY	Previous target has been reached.
14	MAX ITEM NUMBER OVERFLOW	The maximum number of items has been exceeded.
15	SAME OPR. TOTALING ON MAC.	An operator performed sub-total operation at a different scale.
16	SAME OPR. PROCESSING ON OTHER	The same operator code is used at a different scale.
40	MEMORY NOT INITIAL SET	Memory has not been initialized.
42	SYSTEM ERROR	A system error has occurred.
43	E2ROM NOT INITIAL SET	E2 ROM has not been initialized.
50	NO POWER SCALE	The scale is not properly connected.
57	REMOVE THE ITEM ON THE PLATTER	An item is still on the platter.
60	COMM. ERROR ON RESULT TRANSFER	Communication error occurred when transferring result data.
61	MASTER CONNECTION ERROR	The master terminal is not properly connected.
63	SYSTEM ERROR (CHECK CABLE)	System error involving the cable has occurred.
64	SYSTEM ERROR (CHECK MASTER SCALE)	System error involving the master terminal has occurred.
65	MASTER IS OFF-LINE	The master terminal is not on-line.
66	MEMORY AREA OVERFLOWED	Too much data is in the memory area.
67	ERROR ON COMM. CROSSOVER	A communication crossover error occurred.

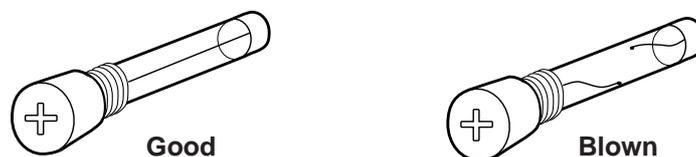
4.2 How to Release Error Conditions

- If an error occurs for any reason, use the **CLEAR** key to release the error condition.
- If trouble occurs during operations and you are unable to return to normal operation, use the **RESET** key to re-initialize the scale. (This operation produces the same effect as turning the power off and then restarting.)

4.3 How to Replace Fuse

If the display does not light when the power is on, this may indicate a problem with the fuse. Use the procedure below to check and replace the fuse.

- (1) Turn off the power, unplug the power cord from outlet.
- (2) Use a Philips head screw driver to remove the fuse holder at the rear panel of the printer unit.
- (3) Check whether or not the fuse has blown.
- (4) If the fuse has blown, replace with the same type of fuse.



- (5) After replacing the fuse, return the fuse holder to the rear panel of the printer unit and secure.
- (6) Plug the power cord into outlet, turn on the scale.

4.4 Other Problems

- **Printing is too light.**
The thermal head has become soiled. Use the attached cleaner set to clean the printer head. (Refer to page 8.)
- **Labels are not printed as soon as an item is placed on the weigh platter.**
The scale is set in the MANUAL mode. (AUTO indicator is not lit.)
Press the PREPACK key.
- **Labels are not issued.**
The printing position has slipped. Press the PAPER FEED key to align the paper with the correct printing position.

 **ISHIDA**

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