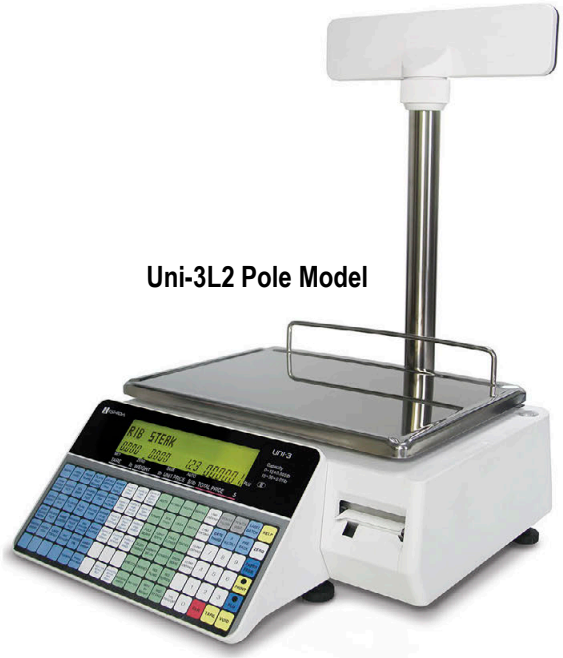
Ishida Uni-3 Series

Price Computing Scale with Printer

Service Manual



Uni-3L2 Pole Model

Uni-3L2H
Hanging Scale

Uni-3L1 Bench Model

Uni-3 Remote Scale Base

March 15, 2021

RICE LAKE RETAIL SOLUTIONS | ISHIDA

PN 166736 Rev E

All information contained within this publication is, to the best of our knowledge, complete and accurate at the time of publication. Rice Lake Weighing Systems reserves the right to make changes to the technology, features, specifications and design of the equipment without notice.

The most current version of this publication, software, firmware and all other product updates can be found on our website:

www.ricelake.com

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1.0 Introduction

This manual is intended for use by service technicians responsible for installing and servicing Uni-3 Series scales.

Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com/retail
Warranty information can be found on the website at www.ricelake.com/warranties

An **Operator Manual** (PN 166737) is included with the scale and provides basic operating instructions for users of Uni-3 Series scales. Please leave the **Operator Manual** with the scale when installation and configuration are complete.

1.1 Safety

Safety Signal Definitions:

DANGER — ***Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. Includes hazards that are exposed when guards are removed.***

WARNING — ***Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death. Includes hazards that are exposed when guards are removed.***

CAUTION — ***Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.***

IMPORTANT — ***Indicates information about procedures that, if not observed, could result in damage to equipment or corruption to and loss of data.***

General Safety

Do not operate or work on this equipment unless this manual has been read and all instructions are understood. Failure to follow the instructions or heed the warnings could result in injury or death. Contact any Rice Lake Weighing Systems dealer for replacement manuals.

WARNING

Failure to heed could result in serious injury or death.

Do not allow minors (children) or inexperienced persons to operate this unit.

Do not operate without all shields and guards in place.

Do not use for purposes other than weight taking.

Do not place fingers into slots or possible pinch points.

Do not use any load-bearing component that is worn beyond five percent of the original dimension.

Do not use this product if any of the components are cracked.

Do not exceed the rated load limit of the unit.

Do not make alterations or modifications to the unit.

Do not remove or obscure warning labels.

Before opening the unit, ensure the power cord is disconnected from the outlet.

Do not allow water or any liquids to come into contact with the scale.

Do not drop or apply shock to the scale.

Do not disassemble, modify or attempt to repair the scale.

Do not hold the connector cover when carrying the scale.

Do not hold the operation panel or weigh platter when carrying the scale.

Do not hold the customer display when carrying the scale.

Dispose of batteries according to local regulations.

Handle with care when removing or inserting the cassette.

1.2 Product Dimensions

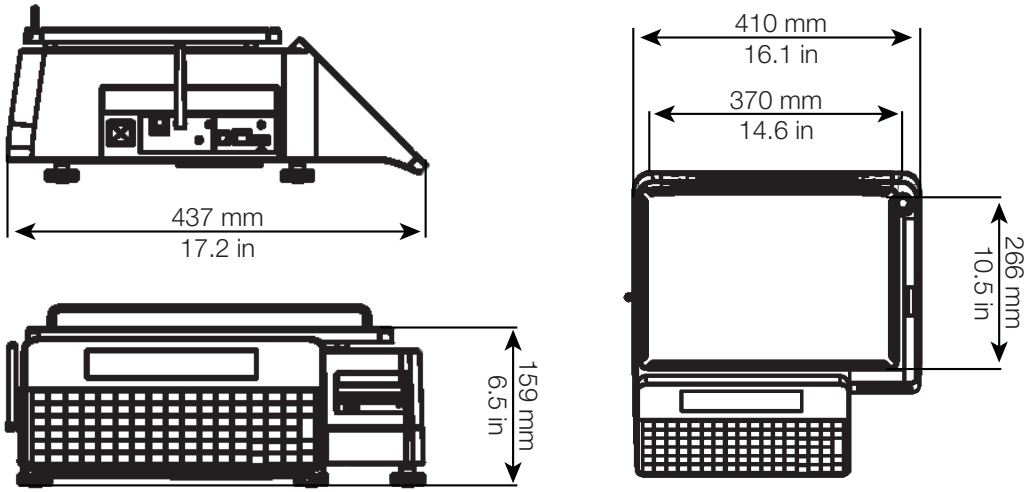


Figure 1-1. Outer Dimensions for Bench Type

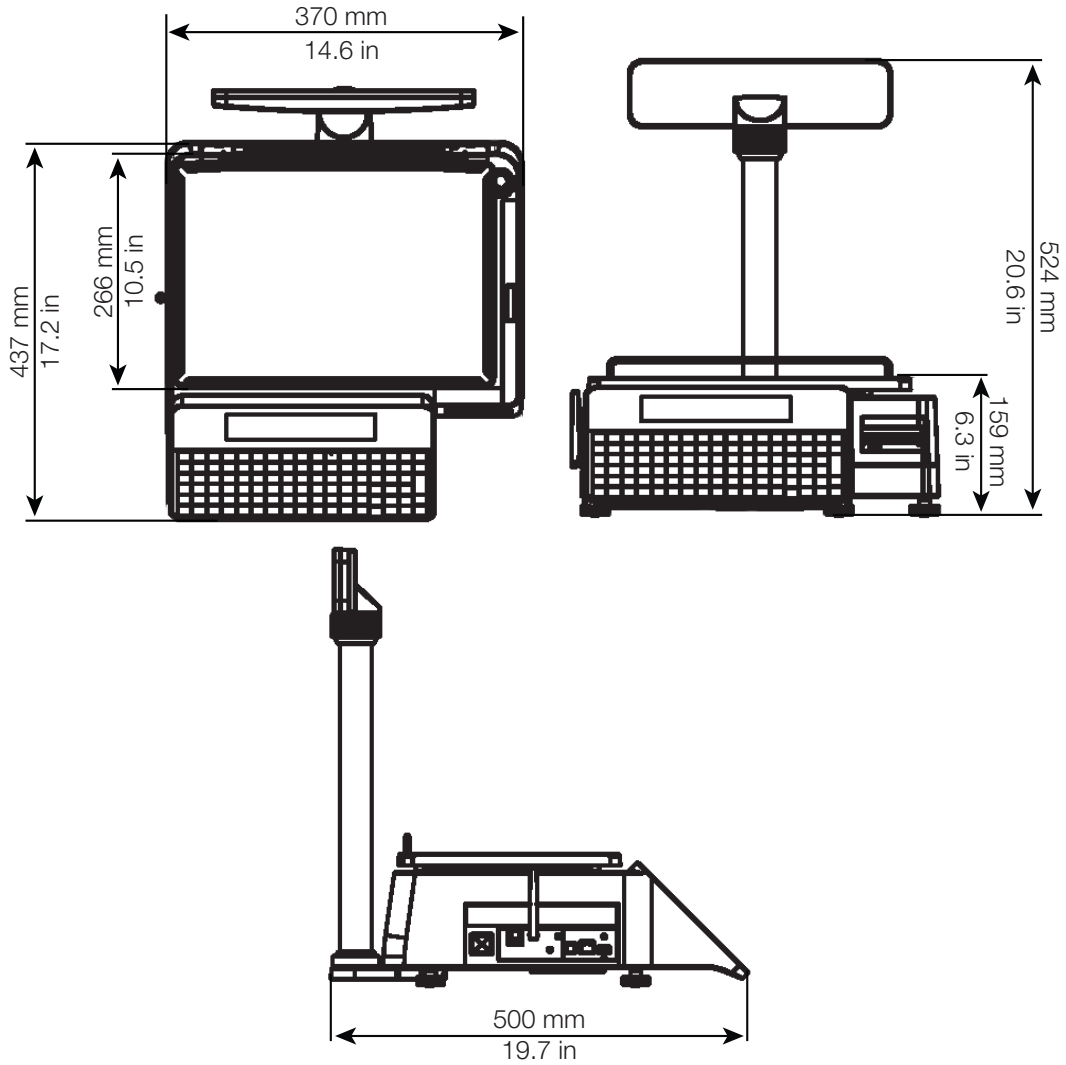


Figure 1-2. Outer Dimensions for Pole Type

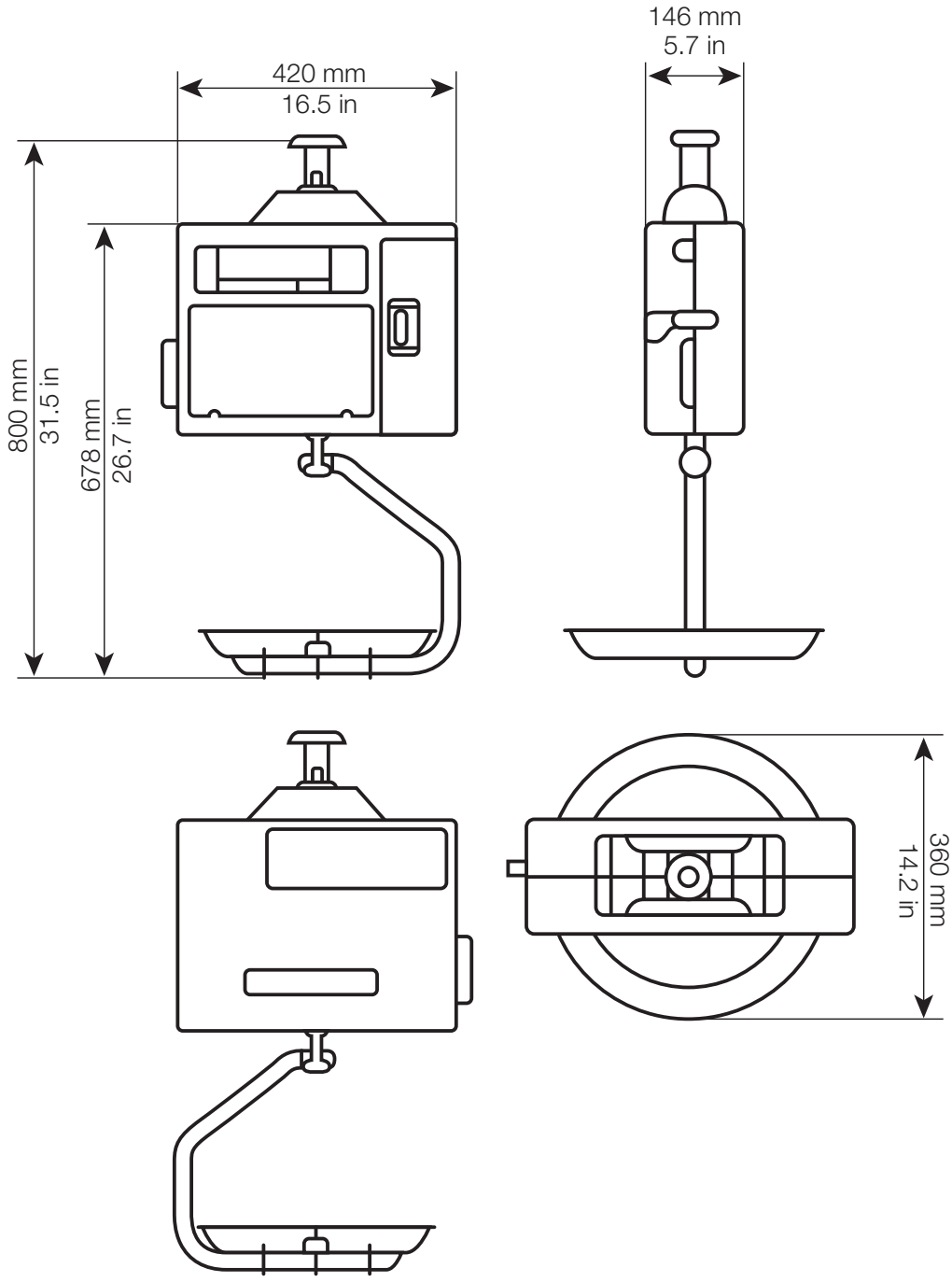


Figure 1-3. Outer Dimensions for Hanging Type

1.3 Overview

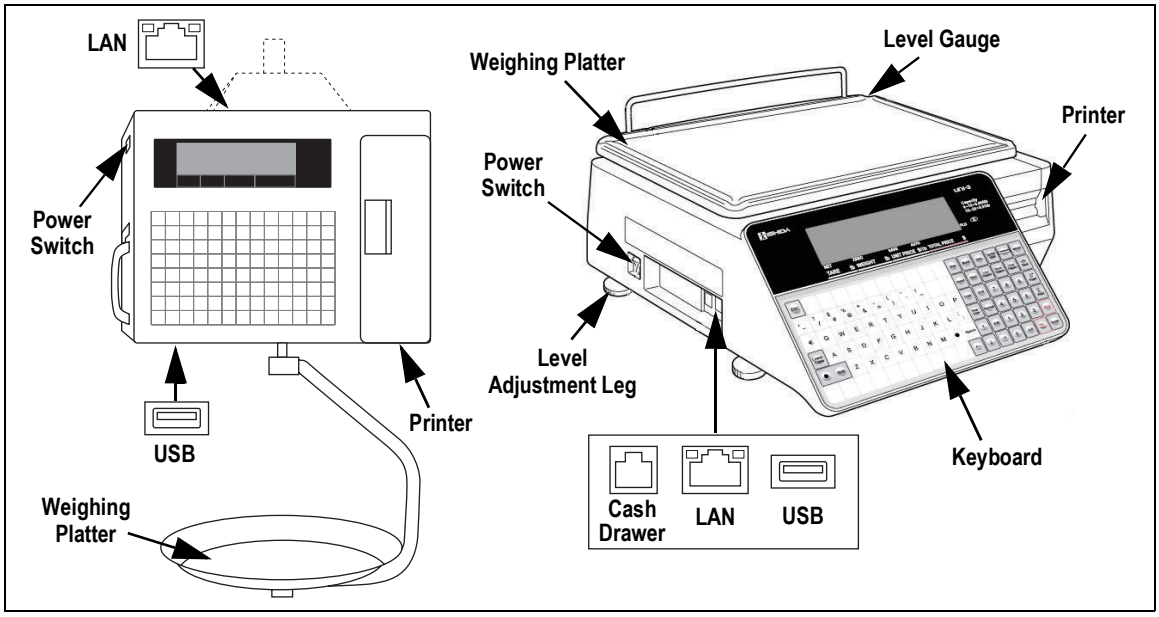


Figure 1-1. Product Features

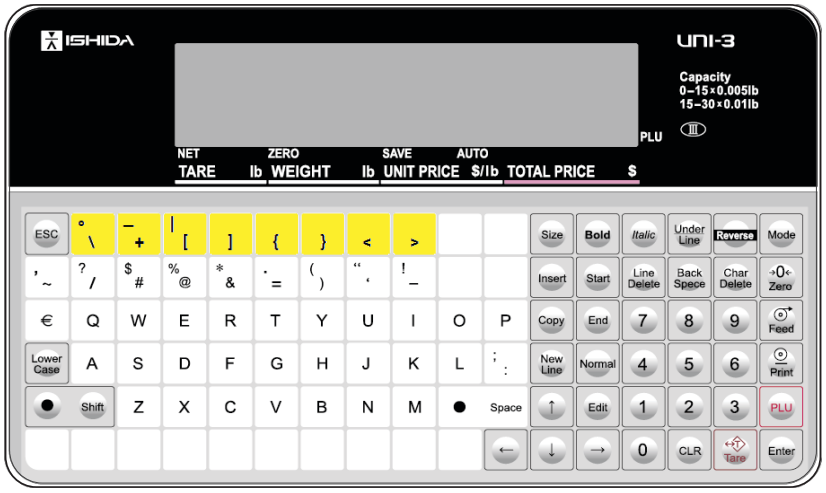


Figure 1-2. Operation Panel

Note ***Highlighted keys are available but not printed on the keyboard.***

Key	Description	Key	Description	Key	Description
CLR	Used to delete an entered numerical value.	Tare	Used to enter tare weight.	←	Used to move left.
PLU	Used to call a registered product data.	→0← Zero	Used to reset a weight to zero.	→	Used to move right.
Feed	Used to feed labels.	Mode	Used to call Menu Select display.	↑	Used to move up.
Print	Used to issue a label.	ESC	Used to escape from the current mode.	↓	Used to move down.

Table 1-1. Preset Keys

1.4 Basic Operating Procedures

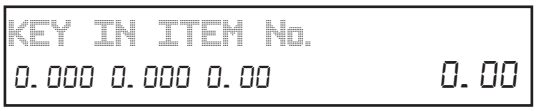
1.4.1 Power On

1. Turn the power switch to **On**.
2. The ***Clock Check*** screen is displayed. Check that the displayed date and time are correct, press **Enter** on the keypad to proceed to the next step.

Note ***To adjust the date or time, use the Date/Time menu in Adjustment Mode, see Section 4.2 on page 38.***

3. The initial screen is displayed.

Note ***The contents of the initial screen may differ depending on the settings of your machine.***



1.4.2 Zero Adjustment

1. If the zero indicator does not appear in the display, press **Zero**.
2. The zero indicator will light up and the weight value becomes zero.

1.4.3 Return to Initial Screen

To return to the initial screen from a menu selection screen, press **Mode** on the keypad.

1.4.4 Issuing Labels

1. Ensure that the initial screen is displayed with zero weight.

Note ***If ZERO is not indicated on the screen, press →0← on the keypad. The product's unit price and tare weight must be set prior to operation.***

2. Enter a PLU number and press **PLU**.

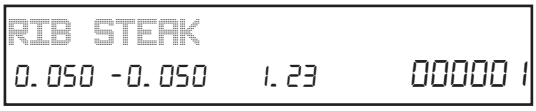
Example: To access PLU 1, press 

followed by 

.

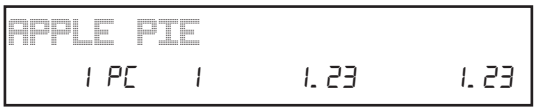
Issuing Labels for Weighed Products

1. The designated PLU screen is displayed.
2. Place the product on the weighing platter.
3. The product is weighed and its price is calculated. Press **Print** to issue a label.



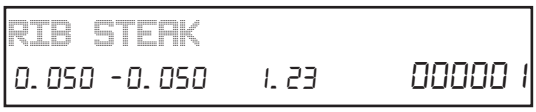
Issuing Labels for Fixed Price Products

1. The designated PLU screen is displayed.
2. (Optional) Place the product on the weighing platter.
   The product is weighed, but its price stays the same.
3. Press **Print** to issue a label.



Issuing Labels Requiring Operator Registration

1. The designated PLU screen is displayed.
2. Place the product on the weighing platter.
3. The product is weighed and its price is calculated.
4. Press an **Operator** button to issue a label.



Note ***Must have Operator buttons programmed prior to operation. See Section 8.4 on page 103.***

1.4.5 Issuing Receipts by the Same Operator

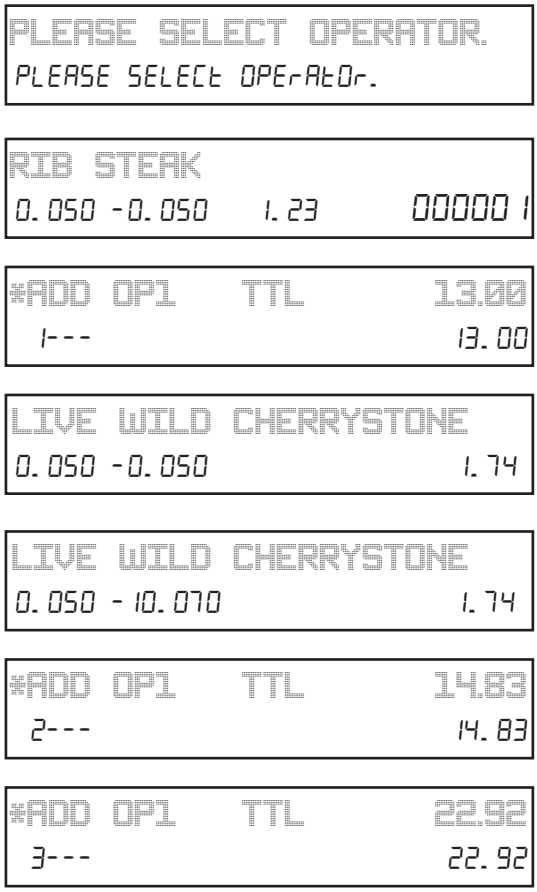
1. Ensure that the ***Operator Selection*** screen is displayed.
2. Enter a PLU number and press **PLU.**
3. The designated ***PLU*** screen is displayed.
4. Place the product on the weighing platter.
5. Press **Receipt Subtotal** to complete the registration.
6. The subtotal screen for the designated operator is displayed.
7. Press **Mode** to return.
8. Enter the PLU number.

Example: To access PLU No. 201 (Weighing Fixed Price Product):

9. Place the product on the weighing platter.
10. Press **Receipt Sub-Total** to complete the registration.
11. The subtotal screen for the designated operator is displayed.
12. Press **Mode** to return.
13. Enter the PLU number.

Example: PLU 101

14. Press **Receipt Sub-Total** to confirm the sales data.
15. Press **Print** to issue a receipt.

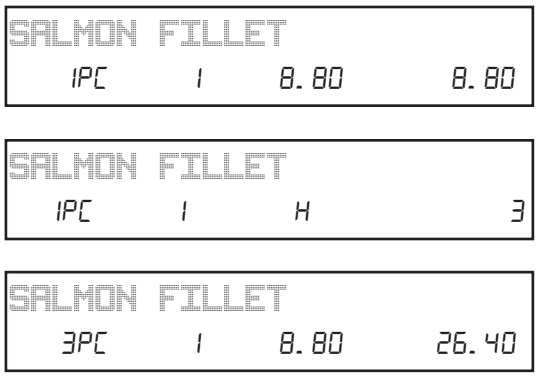


1.4.6 Changing Quantities

1. Ensure that the designated PLU screen is displayed.
2. Enter the quantity and press the **Multi** key.

Example: Quantity of three pieces.

The optional Multi key must be assigned to the keyboard.

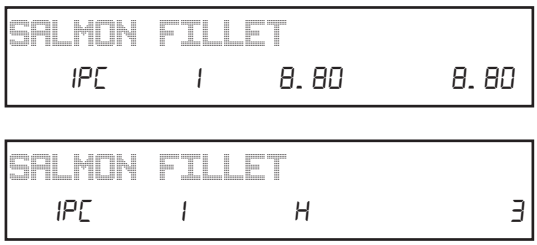


1.4.7 Specifying the Number of Labels

1. Ensure that the designated PLU screen is displayed.
2. Enter the number of labels to be printed and press **Print**.

Example: Print three labels.

To interrupt or restart the issue of labels, press Print.



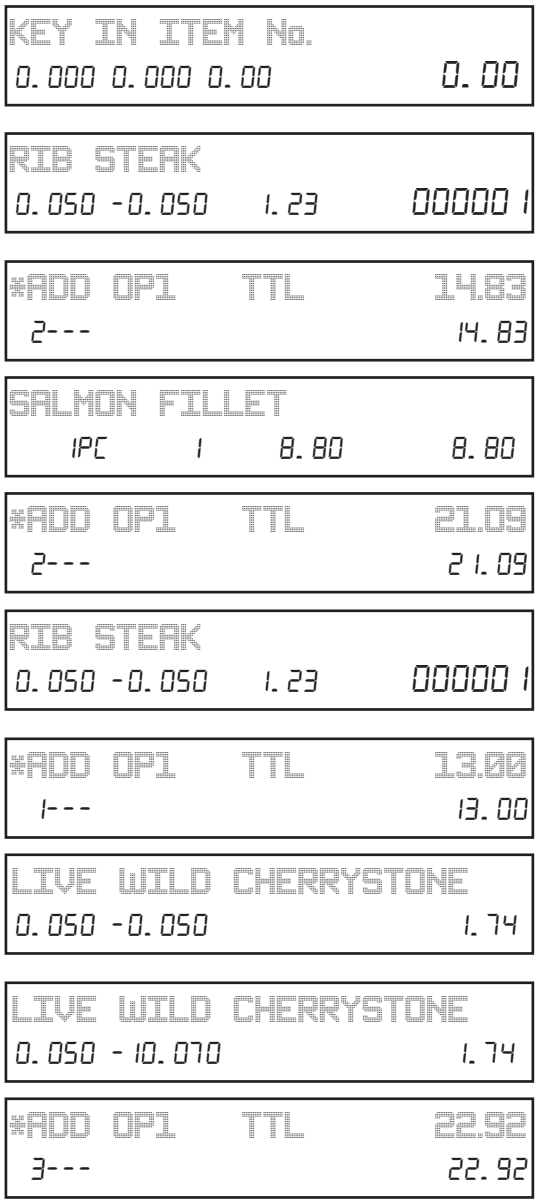
1.4.8 Issuing Receipts by Different Operators

Note ***Must have Operator buttons programmed prior to operation. See Section 8.4 on page 103.***

1. From the initial screen, enter a PLU number and press **PLU**.

   Example: To access PLU 1, press [1] *followed by* [PLU].

2. The designated PLU screen is displayed.
3. Place the product on the weighing platter.
4. Press an operator key (Example: Operator "BETTY").
5. The subtotal screen for the designated operator is displayed.
6. Press **Mode** to return and enter the PLU number.
7. The designated PLU screen is displayed.
8. Press an operator key (Example: Operator "BETTY").
9. The subtotal screen for the designated operator is displayed.
10. The operator has changed from "BETTY" to "JACK" press **Mode** to return and enter the PLU number.
11. The designated PLU screen is displayed.
12. Place the product on the weighing platter.
13. Press an operator key (Example: Operator "JACK"**)**.
14. The subtotal screen for the designated operator is displayed.
15. The operator is returned to "BETTY."
16. Press **Mode** to return and enter the PLU number.
17. The designated PLU screen is displayed.
18. Place the product on the weighing platter.
19. Press an operator key (Example: Operator "BETTY").
20. The subtotal screen for the designated operator is displayed.
21. Press Receipt Sub-Total to confirm the sales data.
22. Press **Print** to issue a receipt.



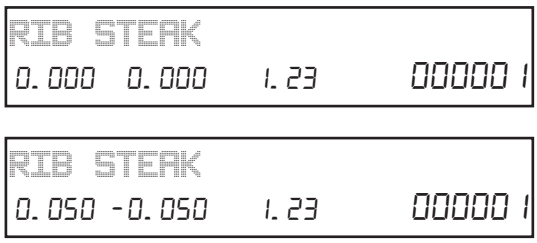
1.4.9 Entering or Overwriting Tare Weights

1. Ensure that the designated PLU screen is displayed.
2. Enter a numerical value and press **Tare**.

   Example: Tare weight of .050 lb

   [5] [0] → [Tare]

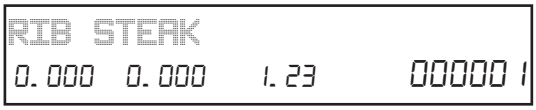
Note ***The contents of the initial screen may differ depending on the settings of your machine.***

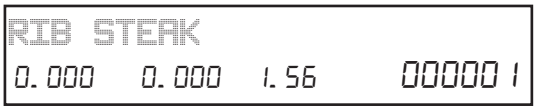


1.4.10 Changing Unit Prices

1. Ensure that the designated PLU screen is displayed.
2. Enter the price and press the **Unit Price** key.

Example: Unit Price of $1.56.





Note ***The optional Unit Price key must be assigned to the keyboard.***

1.4.11 Changing Fixed Prices

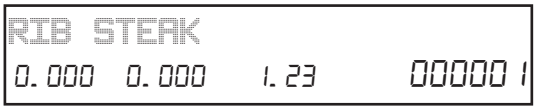
1. Ensure that the designated PLU screen is displayed.
2. Enter the price and press the **Fixed Price** key.

Example: Fixed Price of $10.00.

Note ***The optional Fixed Price key must be assigned to the keyboard.***

1.4.12 Discounting Unit and Total Prices

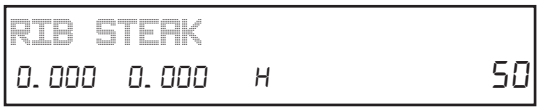
Ensure that the designated PLU screen is displayed.



Discounting Prices By Amount

Enter the amount to be discounted and press the **-$ (U/P)** key.

Example: Discount amount of $0.50.

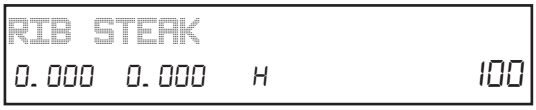


Note ***The optional -$ key must be assigned to the keyboard.***

Discounting Prices by Percentage

Enter the discount percentage and press the **-$ (U/P)** key.

Example: Discount percentage of 10%.



Note ***The optional -% key must be assigned to the keyboard.***

1.4.13 Voiding Product Registrations

1. To void the previous product registration during the transaction, display the ***Sub-Total*** screen.
2. Press **Void**.
3. The confirmation screen is displayed.
4. Press **Enter** to continue, or **ESC** to go back.
5. The designated product registration has been voided.
6. Press **Print** to issue a receipt.

1.5 Menu Navigation

To enter a mode, enter the corresponding number and press the **Mode** key. To exit, press the **Mode** key again.

Some functions in the Setup and Adjustment modes are restricted to authorized service personnel. Enter the service password 495344 and press **PLU** to access all mode steps. All mode steps will then be available until the scale returns to normal operation mode. To exit any mode, press the **Mode** key.

- Use the **Up** and **Down** arrow keys to select a parameter within a menu.
- Press the **Enter** key to enter a parameter.
- Use the **Up** and **Down** arrow keys to scroll through the menu options.
- Use the **Left** and **Right** arrow keys to scroll through the choices of each parameter.
- Enter the choice number and press **Enter** to select the desired choice.

All menu options may not be available depending on what settings are selected.

Setup 6000		Adjustment 4000		Operation 5000		Total 8000		Program 9000	
B01	Machine No.(comms)	C01	Date/Time	S01	Sales	F01	Sales Daily Total	P01	PLU
B02	Sales Mode	C03	Display Check	S06	Total Adjust	F02	Sales Weekly Total	P02	Campaign
B03	Password	C04	Key Check	S07	POS Function	F03	Sales Cumulative Total	P03	Operators
B05	Data Storage	C05	Firmware Details			F05	Production Daily Total	P04	Preset Keys
B06	Preset Report	C06	Memory Clear			F06	Production Weekly Total	P05	Ad Message
B07	PLU Overwrite	C07	Printer			F07	Production Cumulative Total	P06	Store
B08	PLU Initial Data	C08	Calibration			F09	Preset Report	P07	Department
B10	Receipt Setting	C10	Download			F10	POS Report	P08	Group
B11	Cassette	C11	Option Check			F11	Drawer Report	P09	Cook Time
B12	Label Spec	C13	Model			F12	Total Clear	P10	Nutrition
B13	Label Format							P11–P13	Extra Message 1–3
B14	Barcode							P14	Coupon Message
B17	Operation Setting							P15	POP message
B18	Error Process							P19	Lookup Table
B20	Traceability							P21	Fix Price Symbol
B21	Dual Currency							P22–P36	Free Message 1–15
B22	Price Rounding							P37	Check Label
B23	Frequent Shopper							P38	Stamp Price
B26	Country								
B27	File Save/Load								
B28	Data Distribution								
B29	Tax								
B31	Mode Code								

Table 1-2. Menu Navigation

1.6 Configuration Features with Menu Locations

Feature	Menu	Step	Step No.	Comments
Auto PLU Call	Setup	Operation Setting	B17-10 (page 69)	Auto PLU. Disable by func key: Auto PLU (117)
Auto Print (Prepack)	Setup	Cassette	B11-08 (page 61)	0: Manual, 1: Auto
Backup (by USB)	Setup	File Save/Load	B27 (page 75)	B27-01 "Scale>USB": backup, B27-02 "USB>Scale": restore
Barcode OCR	Setup	Barcode	B14-02-02 (page 64)	1: 13-digits, 2: 12-digits
Calibration	Adjust	Calibration	C08 (page 84)	--
Cassette	Setup	Cassette	B11 (page 61)	--
Comms Check Timer	Setup	Machine No. (Comms)	B01-03-03 (page 50)	PC Comm
Country	Setup	Country	B26-01-01 (page 73)	951753+PLU. 1: USA
Coupon Msg Error	Setup	Error Process	B18-02-06 (page 69)	Error for non-existent Coupon Message. 1: No, 2: Yes (default). [0223]
Date & Time	Adjust	Date Time	C01 (page 81)	Enter time in 24-hour format
Dual-Range	Adjust	Calibration	C08-02 (page 84)	0: Single, 1: Multi (default)
Encryption	Setup	Machine No. (Comms)	B01-04-05 (page 50)	WiFi
English	--	--	--	See **Language**
Extra Message Error	Setup	Error Process	B18-02-03 – 05 (page 69)	Error for non-existent Extra Messages. 1: No, 2: Yes (default). [0275-0277]
Forced Tare Setting	Setup	Error Process	B18-01-02 (page 69)	Issue. 1: No (default), 2: Yes. Error 0284 “Tare Weight Not Set”
Frequent Shopper	Setup	Freq. Shopper	B23 (page 71)	Barcode price & FS image
Freq. Shop. Rounding	Setup	Price Rounding	B22 (page 71)	--
IP Address	Setup	Machine No. (Comms)	B01-02-01 (page 49)	IP Address
Kg	Setup	Country	B26-03-01 (page 74)	See **Weight Unit**
Label Format	Setup	Label Format	B13 (page 63)	--
Language	Setup	Country	B26-01-02 (page 73)	--
MAC Address	Setup	Machine No. (Comms)	B01-02-04 (page 49)	495344+PLU (use for wireless security MAC Address filtering)
Master/Satellite	Setup	Machine No. (Comms)	B01-01 (page 49)	--
Maximum Tare	Setup	Country	B26-03-04 (page 74)	495344+PLU, Detail, Weight, 14789632+PLU
Min. Print Weight	Setup	Coutnry	B26-03-05 (page 74)	495344+PLU, Detail, Weight, 951753+PLU. 1: 20e (default), 2: 5e, 3: 3e
Memory Clear	Adjust	Memory Clear	C06 (page 82)	--
Password Setup	Setup	Password	B03 (page 51)	--
Peel Sensor	Setup	Label Spec	B12-15 (page 63)	0: On (default), 1: Off
PLU Auto Program	Setup	PLU Overwrite	B07 (page 55)	Save operator override as permanent change. 1: Yes, 2: No (default)
PLU Name Display	Setup	Operation Setting	B17-01-05 (page 67)	L1 only: display PLU description. 1: No (default), 2: Yes
PLU Name Disp. Timer	Setup	Operation Setting	B17-03-07 (page 67)	L1 only: Time PLU description is displayed (sec)
Port Number	Setup	Machine No. (Comms)	B01-03-02 (page 50)	PC Comm
Print Delay	Setup	Operation Setting	B17-03-08 (page 67)	Auto Print delay for Fixed Price items w/ Continuous Label (msec)
Print Head Error	--	--	--	See **Thermal Head Error**
RF	--	--	--	See **Wireless**
Shelf Life: +1 Day	Setup	Country	B26-04-05 (page 74)	495344+PLU, B26-01-03 Detail, PLU, Date. 1: Next Day (default), 2: Today
Single-Range	Adjust	Calibration	C08-02 (page 84)	0: Single, 1: Multi (default)
Spanish	--	--	--	See **Language**
Store Address Set	Program	Store	P06-04 (page 106)	Set store number 1–9999, 9999 (default)
Tare Select	Setup	Operating Setting	B17-02-02 (page 67)	Prod. 1: Tare 1 (default), 2: Tare 2
Thermal Head Error	Setup	Error Process	B18-03-01 (page 69)	Common (Error 0347-000x) 1: Once, 2: Always (default), 3: None
Weight Unit	Setup	Country	B26-03-01 (page 74)	495344+PLU, B26-01-03 Detail, PLU, Weight, 14789632+PLU. 1: Lb, 2: Kg
Wireless	Setup	Machine No. (Comms)	B01-04 (page 50)	WiFi
Zero Price Settings	Setup	Error Process	B18-01 (page 69)	B18-01-03 Error: 1: No, 2: Yes (default)

Table 1-3. Configuration Features with Menu Locations

Note ***Most Setup and Adjust menus are hidden. Enter 495344 and [PLU] key at the main menu B00 Setup or C00 Adjust.***

1.7 Quick Setup

Refer to the following items for step by step instructions to configure common Uni-3 features. Refer to the later sections of the manual for additional details of each item.

1.7.1 Set the Time and Date

Use the following steps to set the time and date.

1. Remove the Speed Key Insert page.
2. Enter **4000** then press **Mode**. ***C00 ADJUST*** will display.
3. Press the **Down Arrow**. ***C01 DATE TIME*** will display.
4. Press **Enter**. ***C01-01 DATE*** will display.
5. Enter the date in a MMDDYYYY format.
   Example: For June 21, 2015, enter 06212015.
6. Press **Enter** twice. ***C01-02 TIME*** will display.
7. Enter the time in a HHMMSS format.
   Example: For 1:10:00 pm, enter 131000 (time is entered in 24 hour format).
8. Press **Enter** twice. ***C01-03 LOCAL YEAR*** displays.
9. Press **Mode**. ***1801-0000 CHECKING CLOCK SETTING*** will display.
10. Press **Enter**. ***C01 DATE TIME*** will display.
11. Press **Mode** twice to exit Adjustment Mode. ***KEY IN ITEM No.*** displays. Scale is ready to resume operation.

1.7.2 Program Store Address

Use the following steps to enter store information.

1. Remove the Speed Key Insert page.
2. Enter **9000** then press **Mode**. ***P00 PROGRAM*** will display.
3. Press **6** then press the **Down Arrow**. ***P06 STORE*** will display.
4. Press **Enter**. ***P06-00 no.XXXX*** will display.
5. Enter Store Number then press **PLU**. ***13001-0000 SET UP NEW DATA*** will display.

If store information has been programmed it will display. If necessary, store information may be edited by pressing* Edit*. To delete any existing text, press* Line Delete*.

6. Press **Enter**. ***InP 0001-0000 00 0001*** will display.
7. Type the store name then press **Enter**. ***19001-0000 IS IT OK TO SAVE*** will display.
8. Press **Enter**. ***P06-00 no. XXXX*** will display.
9. Press **2** then press the **Down Arrow**. ***P06-02 ADDRESS*** will display.
10. Press **Edit**. ***InP 0001-0000 07 0001*** will display.
11. Type the store address then press **Enter**. ***InP 19001-0000 IS IT OK TO SAVE*** will display.
12. Press **Enter**. ***P06-00 no.XXXX*** will display.
13. Press **4** then press the **Down Arrow**. ***P06-04 PRINTER 1*** will display.
14. Enter Store Number used in step 5. Press **Enter** twice to assign programmed store. ***P06-00 no.XXXX*** displays.
15. Press **Mode** three times to exit the Program Mode. ***KEY IN ITEM No.*** will display. Scale is ready to resume operation.

1.7.3 Program Price Changes

Use the following steps to change prices for existing items.

1. Remove the Speed Key Insert page.
2. Enter **9000** then press **Mode**. ***P00 Program*** will display.
3. Press **1** then press **Enter** twice. ***P01-00 PLU*** will display.
4. Enter the PLU number to be changed, then press **PLU**.
5. Press **4** then press the **Down Arrow**. ***P01-01-04 UNIT PRICE*** will display.
6. Enter the new price and press **Enter**. ***P01-01-04 UNIT PRICE*** and the new price will display.
7. Repeat steps 4 - 6 until all price changes have been made.
8. Press **Mode**. ***19001-0000 IS IT OK TO SAVE*** will display.
9. Press **Enter**. ***P01-00*** will display.
10. Press **Mode** three times to exit Program Mode. ***KEY IN ITEM No.*** displays. Scale is ready to resume operation.

1.7.4 Set Preset Speed Keys

Use the following steps to set up preset speed keys and function keys.

1. Remove the Speed Key Insert page.
2. Enter 9000 then press Mode. ***P00 PROGRAM*** will display.
3. Press **4** then press the **Down Arrow**. ***P04 PRESET KEY*** will display.
4. Press **Enter. *P04-01 0 000*** will display.
5. Key in the appropriate Key Flag No. from the list below, then press the **PLU** key.

Note ***See Section 8.5 on page 103 for a complete list of preset function keys.***

6. If the key type requires a specific value such as PLU No. or Tare, key in the number, otherwise, press the number ***0***.
7. Press desired speed key. The Key Flag No., key position number and key data value are displayed**.**
8. Repeat steps 5-7 for all preset speed keys.
9. Press **Mode** three times to exit Program Mode. ***KEY IN ITEM No.*** displays. Scale is ready to resume operation.

Key Flag No.	Parameter
1	PLU
2	TARE
3	FIXED PRICE
4	X MULTIPLY
8	SAVE
11	COUPON MSG
16	EXTRA MSG 1
17	EXTRA MSG 2

Key Flag No.	Parameter
18	EXTRA MSG 3
22	LABEL FORMAT
23	IMAGE 1
24	IMAGE 2
26	PEEL MODE
27	LABEL BATCH
32	UNIT PRICE
33	PACK DATE

Key Flag No.	Parameter
34	SELL BY DATE
72	CASE WEIGHT
75	AUTO/MANUAL MODE
137	PRINT QTY
156	LOWER PRESET
162	ENTER FIXED WEIGHT
177	SLEEP MODE
435	CASSETTE SWITCH

Table 1-4. Common Key Flag Parameters

1.7.5 Set IP Address of the Scale

Use the following steps to set the IP address of the scale.

1. Remove Speed Key insert page.
2. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
3. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
4. Press **1** then press **Enter** twice. ***B01-01 BASIC*** will display.
5. Press the **Right Arrow,** then press **Enter**. ***B01-02-01*** will display.
6. Enter the 12 digit IP address, then press **Enter**. ***B01-02-01*** will display.
   Example: enter 192168004025 for 192.168.4.25

Note ***Use leading zeros instead of decimals.***

7. Press the **Down Arrow**. ***B01-02-02*** will display.
8. Enter the 12 digit Subnet Mask then press **Enter**. ***B01-02-02*** will display.
   Example: enter 255255255000 for 255.255.255.0
9. Press the **Down Arrow**. ***B01-02-03*** will display.
10. Enter the 12 digit Gateway then press **Enter**.
    Example: enter 192168004001 for 192.168.4.1

Note ***Set the Gateway as 0.0.0.0 if not required.***
For example, if there is no communication to a corporate office at a different location.

11. Press **Mode**. ***14034-0000 REBOOTING CHECK*** will display.
12. Press **Enter**. ***15029-0001 RE-BOOT CHECK*** will display.
13. Power off the scale. Wait 10 seconds before proceeding.
14. Power on the scale. After rebooting, ***PLEASE CONFIRM TIME*** will display.
15. Press **Enter**. ***KEY IN ITEM No.*** will display. Scale is ready to resume operation.

1.7.6 Set the IP Address of the PC

Use the following steps to set the IP address of the PC. This is the target address for a ping test.

1. Remove Speed Key insert page.
2. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
3. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
4. Press **1** then press **Enter** twice. ***B01-01 BASIC*** will display.
5. Enter **2** then press the **Right Arrow**. ***B01-03 PC COM*** will display.
6. Press the **Down Arrow**. ***B01-03-01*** will display.
7. Enter the 12 digit PC IP address then press **Enter**. ***B01-03-01*** and entered IP Address will display.
8. Press the **Down Arrow** twice. ***B01-03-03 COM CHK*** will display.
9. Enter a number between 30 and 9999. Press Enter. ***B01-03-03 COM CHK*** and entered number will display.

Note ***A value of 600 seconds (10 minutes) is recommended.***

10. Press **8** then press **Down Arrow**. ***B01-03-08 PING TO PC*** displays.
11. Press **Zero** to execute PING to test connection to PC. If ping is successful, there will be one long beep. If ping is unsuccessful, there will be five short beeps.
12. Press **Mode**. ***14034-0000 REBOOTING CHECK*** displays.
13. Press **Enter**. ***15029-0001 REBOOTING CHECK*** displays.
14. Power off the scale. Wait 10 seconds before proceeding.
15. Power on the scale. After rebooting, the current set date and time displays.
16. Press **Enter**. Scale is ready to resume operation.

1.7.7 Configure Wi-Fi settings

Use the following steps to configure the Wi-Fi settings.

1. Remove Speed Key insert page.
2. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
3. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
4. Press **Enter** twice. ***B01-01 BASIC*** is displayed.
5. Press **3** then press the **Right Arrow**. ***B01-04 WI-FI*** is displayed.
6. Press **Enter**. ***B01-04-01 SECURITY*** is displayed.
7. Enter a number **1-9** to set the encryption type then press **Enter**. ***B01-04-01 SECURITY*** is displayed.

Note ***If the wireless network is using dual encryption, select the encryption broadcast on the 2.4 GHz frequency. The Uni-3 WiPort wireless bridge does not support 5 GHz.***

Option	Encryption Type
1	NONE
2	WEP64
3	WEP128

Option	Encryption Type
4	WEP64 Shared Key
5	WEP128 Shared Key
6	WPA PSK TKIP

Option	Encryption Type
7	WPA PSK CCMP
8	WPA2 PSK TKIP
9	WPA2 PSK CCMP

Table 1-5. Encryption Options

8. Press the **Down Arrow**. ***B01-04-02 Key Type*** is displayed.

Note ***Key Type is available only when options 2-9 are selected in Step 7.***

9. Enter a number **1-3** to set the encryption type, then press **Enter**. ***B01-04-02 Key Type*** is displayed.

Number	Encryption Key Type
1	Hex
2	ASCII
3	Passphrase

Table 1-6. Encryption Key Types

10. Press the **Down Arrow**. ***B01-04-03 SSID*** is displayed.
11. Press **Edit**. Enter wireless network name. This is case sensitive.
12. Press **Enter** twice. ***B01-04 WI-FI*** is displayed.

Note ***Steps 13-14 are available only when the encryption key type is set as WEP. If not, skip to Step 15.***

13. Press **Enter** four times. ***B01-04-04 WEP KEY IND*** is displayed.
14. Enter a number **1-4** to set the WEP key index, then press **Enter**. ***B01-04-05 ENCRYPTION KEY*** is displayed.

Number	WEP Key Index
1	Key1
2	Key2
3	Key3
4	Key4

Table 1-7. WEP Key Index Parameters

Note ***The Encryption Key name in step B01-04-05 varies based on the Security Type selected in Step 7.***

15. Press **Edit**. Enter the encryption key. This is case sensitive.
16. Press **Enter** twice. ***B01-04 WI-FI*** is displayed.
17. Press **Mode**. ***14038-0009 WI-FI SET UP*** is displayed. Wait 5 seconds before proceeding.
18. Press **Enter**. ***14038-0010 WI-FI SET UP*** is displayed. Wait 5 seconds before proceeding.

19. Press **Enter**. ***B01-04 WI-FI*** is displayed. Wait 5 seconds before proceeding.
20. Press **Mode**. ***14034-0000 REBOOTING CHECK*** is displayed. Wait 5 seconds before proceeding.
21. Press **Enter**. ***15029-0001 REBOOT CHECK*** is displayed. Wait 5 seconds before proceeding.
22. Power off the scale. Wait 10 seconds before proceeding.
23. Power on the scale. After rebooting, ***PLEASE CONFIRM TIME*** will display.
24. Press **Enter**. ***KEY IN ITEM No.*** will display
25. Confirm communication. Scale is ready to resume operation.

1.7.8 Set Label Cassette for Default Label Format

Use the following steps to set label cassette for the default label format.

1. Remove Speed Key insert page.
2. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
3. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
4. Press **11** then press the **Down Arrow**, then press **Enter**. ***B11-01 CASSETTE No.***will display.
5. Press **4** then press the **Down Arrow**. ***B11-04 FMT No.*** will display.
6. Enter the desired default label format number. Press **Enter**. ***B11-04 FMT No. with number*** will display.
7. Press **8** then press the **Down Arrow**. ***B11-08 PRN MODE*** will display.
8. Enter **0** for Manual or **1** for Auto. Press **Enter** twice. ***B11-09 LBL TYPE*** will display.
9. Enter **0** for Die Cut or **1** for Continuous. Press **Enter**.
10. Enter **17** then press the **Down Arrow**. ***B11-17 PLU NAME*** will display.
11. Enter **0** for Fixed or **1** for Variable. Press **Enter** twice. ***B11-18 XTRAMSG1*** will display.
12. Enter **0** for Fixed or **1** for Variable. Press **Enter** twice. ***B11-19 XTRAMSG2*** will display.
13. Enter **0** for Fixed or **1** for Variable. Press **Enter** twice.***B11-20 XTRAMSG3*** will display.
14. Enter **0** for Fixed or **1** for Variable. Press **Enter.** ***B11-20 XTRAMSG3*** will display.

When using continuous labels, settings B11-17 through B11-20 should be set to "1" for Variable.

15. Press **Mode** three times to exit the Setup Mode. ***KEY IN ITEM No.*** will display. The scale is ready to resume operation.

1.7.9 Load File from Flash Drive

USB specifications: 8 GB or smaller, FAT32 format, USB 3.0 (Rice Lake PN 160906)

Use the following steps to load files from a flash drive.

1. Remove Speed Key insert page.
2. Insert a flash drive containing a DATA0x Folder.
3. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
4. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
5. Enter **27** then press the **Down Arrow.** ***B27 FILE SAVE/LOAD*** will display.
6. Press **Enter** twice. ***B27-01-01 I/P SELECT*** will display.
7. Press **PLU**. ***B27-100 SEL USB FOLDER*** will display. This may take up to 30 seconds as files are scanned.
8. Press the **Down Arrow** to locate file to be loaded. ***B27-10x and File Name*** will display.
9. Press **PLU** to select file. ***B27-01 USB-TO-SCALE*** will display.
10. Press the **Down Arrow** twice. ***B27-01-03 MASTER MODE*** will display.
11. Press **1** for Auto (all files) or press **2** for Manual (individual files) load. Press **Enter**. ***B27-01-03 MASTER MODE with selected load choice*** will display.
12. If **2** Manual was selected, press the **Down Arrow** to select the file(s) to be loaded. Otherwise, go to Step 16.
13. At the desired file press **1** then **Enter**.
14. Repeat Steps 12-13 for any additional files to be loaded.
15. Press **Up Arrow** to ***B27-01-03 MASTER MODE***.
16. Press **Enter**. ***B27-01-04 EXECUTE*** will display.
17. Press **Zero**. ***14011-0000 INPUT CHECK*** will display.
18. Press **Enter** to begin loading files. ***14013-0000 COMPLETE INPUT*** will display when complete.
19. Press **Enter** then press **Mode** three times to exit Setup Mode. ***KEY IN ITEM No.*** will display.
20. Remove the flash drive. Scale is ready to resume operation.

1.7.10 Save File to Flash Drive

Note ***USB specifications: 8GB or smaller, FAT32 format, USB 3.0 (Rice Lake PN 160906)***

Use the following steps to save files to a flash drive.

1. Remove Speed Key insert page.
2. Insert a flash drive.
3. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
4. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
5. Enter **27** then press the **Down Arrow**, then press **Enter**. ***B27-01 USB-TO-SCALE*** will display.
6. Press the **Right Arrow** then press **Enter**. ***B27-02-01 O/P SELECT*** will display.
7. Press **PLU**. ***B27-200 SEL USB FOLDER*** will display.
8. Press the **Down Arrow** to select an empty folder. ***B27-20x USB DATA 0x*** will display.
9. Press **Edit** to name folder. ***InP 0001*** will display.
10. Type in folder name. Press **Enter**. ***B27-02 SCALE-TO-USB*** will display.
11. Press **3** then press the **Down Arrow**. ***B27-02-03 MASTER MODE*** will display.
12. Enter **1** for Auto (all files) or **2** for Manual (individual files) send. Press **Enter**. ***B27-02-03 Master Mode (with selected load choice)*** will display.
13. Press **Enter**. ***B27-02-04 EXECUTE*** will display.
14. Press **Zero**. ***14012-0000 OUTPUT CHECK*** will display.
15. Press **Enter** to begin sending file to USB. ***14014-0000 COMPLETE*** will display when complete.
16. Press **Enter** then press **Mode** three times to exit Setup Mode. ***KEY IN ITEM No.*** will display.
17. Remove the flash drive. Scale is ready to resume operation.

1.7.11 Set Product Name Display Timer

Use the following steps to set the product name display timer.

On the Uni-3L1, the product name displays for a short time. Do not enable this feature for the Uni-3L2.

Note ***If weight is on the platter when the PLU is called the name will not display.***

1. Remove Speed Key insert page.
2. Enter **6000** then press **Mode**. ***B00 SETUP*** will display.
3. Enter the password 495344 then press **PLU** to enter service level. ***B00 SETUP*** will display.
4. Enter **17** then press the **Down Arrow** then press **Enter** twice. ***B17-01-02 OPEN PLU*** will display.
5. Enter **4** then press the **Down Arrow**. ***B17-01-05 SEG PLU*** will display.
6. Enter **2** then press **Enter** three times. ***B17-01 CALL*** will display.
7. Enter **2** then press the **Right Arrow**, then press **Enter**. ***B17-03-01 REG TMR*** will display.
8. Enter **4** then press the **Down Arrow**. ***B17-03-07 SEG PLU TIMER*** will display.
9. Enter **3** then press **Enter**. ***B17-03-07 SEG PLU TIMER*** will display.
10. Press Mode three times to exit Setup Mode. ***KEY IN ITEM No.*** will display. Scale is ready to resume operation.

2.0 Installation

The following is an overview of the installation procedure of the Ishida Uni-3 scale.

WARNING ***Ensure the user has read and understands the Safety section of this manual.***

- ***Always use a power supply with rated voltage. Never connect the scale power input with an AC power supply exceeding the rated voltage. To avoid any potential electrical shock, ensure that the protective ground wire is connected to the main grounding provision. Using the scale outside of the rated voltage may result in machine failure or danger such as electric shock.***
- ***Prepare a dedicated power source. A power supply that generates voltage variation may cause a malfunction.***
- ***Do not stand or place anything heavy on the power cord, doing so may damage the cord.***
- ***Disconnect power supply before servicing.***
- ***Take precaution against residual electrical charge hazard. Capacitors inside the scale may still hold an electrical charge even after power is disconnected.***
- ***Do not remove covers or enclosures.***
- ***Do not perform unspecified maintenance.***

IMPORTANT ***Do not install the scale in the following types of places:***

- ***Subject to high temperatures or high humidity***
- ***Exposed to direct sunlight***
- ***Where water or other liquids are easily spilled on the scale***
- ***Subject to excessive vibration or unstable foundations***
- ***Exposed to direct cold air from air conditioners or refrigerators***
- ***Where the floor or foundation is unstable***
- ***Subject to a lot of dust or dirt***
- ***With large voltage fluctuations***

2.1 Preliminary Information

1. Determine the IP address(es) to be assigned to the scale(s).
2. Determine the wireless information (optional).

2.2 Preliminary Setup Before Delivery

1. Remove the scale from the box.
2. Assemble the scale.

Note ***For pole models, place any excess cable inside the pole—not the scale body.***

3. Check the firmware version, see Section 5.5 on page 82.
4. If necessary, upgrade the firmware, see Section 5.9.1 on page 86.

Note ***Check www.ricelake.com/retail for the latest firmware version. Website login is required to download firmware.***

5. Clear the scale's memory, see Section 5.6 on page 82.
6. Configure the country, see Section 4.20 on page 72.
7. Set the date and time, see Section 5.2 on page 81.
8. Program the IP Address, Subnet Mask, etc., see Section 4.2 on page 49.

9. Program the wireless settings, see Section 4.2 on page 49.
10. Verify scale communication using the Ping command and SLP-5.
11. Load labels.
12. Load backup file from USB (see Section 4.21 on page 75) or from the SLP-5 Maintenance Utility.
13. If necessary, download or create label formats using SLP-5 Maintenance Utility.
14. Configure the scale as needed:
    - Label Cassette (see Section 4.10 on page 61)
    - Passwords (see Section 4.4 on page 51)
    - Save temporary changes as permanent changes (see Section 4.7 on page 55)
    - Barcode format–weight and fix price (see Section 4.13 on page 63)
    - Show item description–L1 models only (see Section 4.14 on page 67)
    - Error conditions (see Section 4.15 on page 69)
    - Minimum print weight (see Section 4.20 on page 72)
    - Maximum tare (see Section 4.20 on page 72)
15. If necessary, download or program the PLU file, messages, keyboards, etc., from SLP-5.
16. Test scale operation.

2.3 At the Customer's Location–Wireless

1. Confirm all access points have been positioned and configured.
2. Position all scales.
3. Program the wireless settings, see Section 4.2 on page 49 (if not done prior to delivery).

2.4 At the Customer's Location–Wired

1. Confirm all Ethernet cables have been run.
2. Position all scales and connect them to the Ethernet cables.

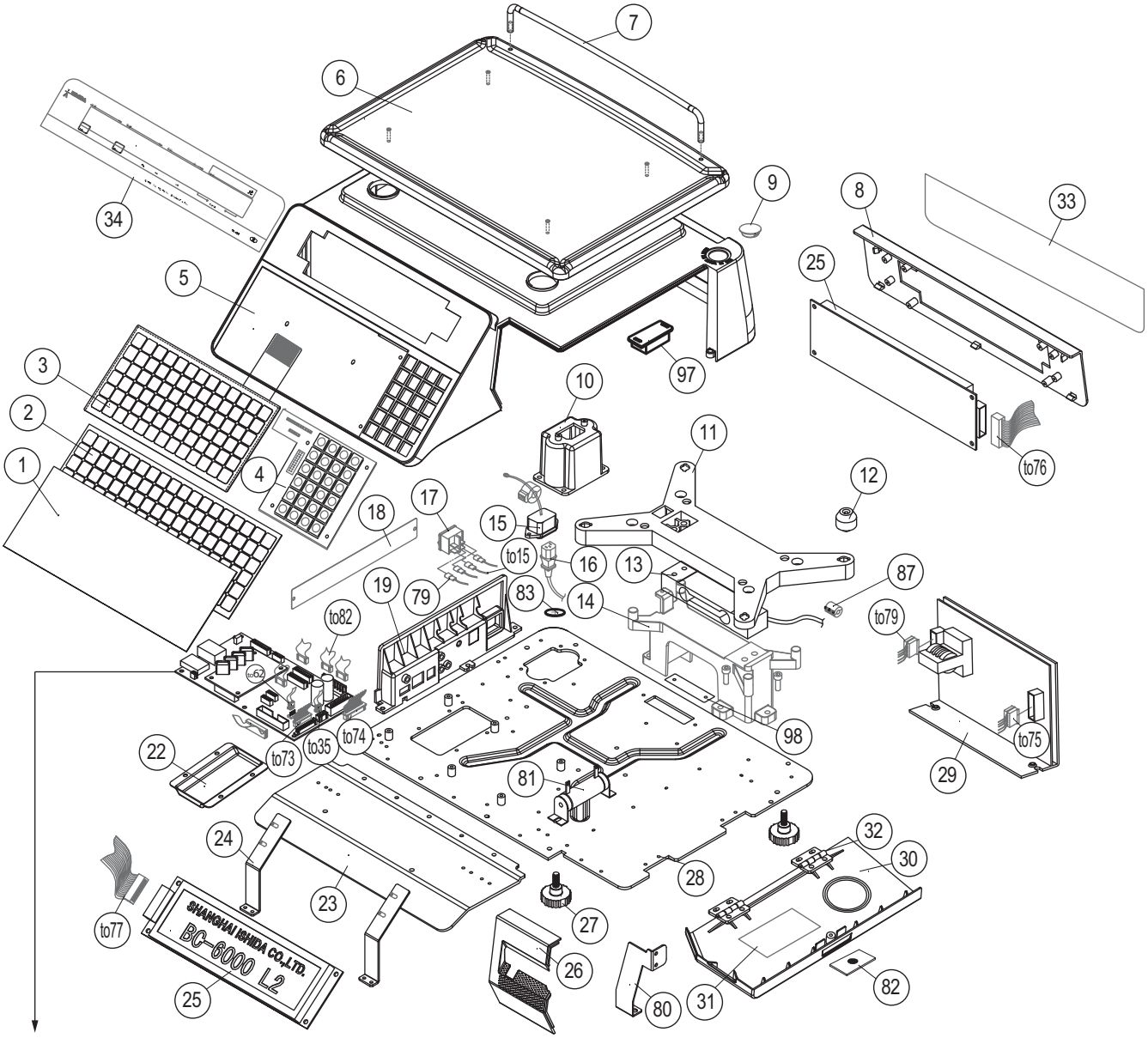
2.5 At the Customer's Location–Wrap Up

1. Connect laptop to the network–confirm scale communications.
2. Test scale communication with the customer's computer using the Ping command.
3. Install and configure SLP-5 on the customer's computer.
4. Test scale communications with SLP-5.
5. Back up all scales using SLP-5 Maintenance Utility on the customer's computer.
6. Calibrate the scales, see Section 5.8 on page 84.
7. Make USB backups, see Section 4.21 on page 75.

3.0 Service

WARNING ***Disconnect power supply before servicing.***

3.1 Repair Parts



Main Board details differ by model.

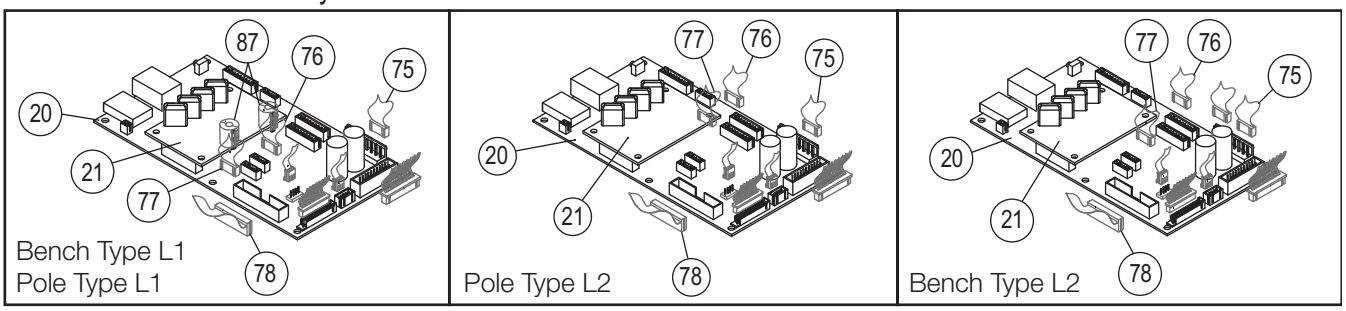


Figure 3-1. Uni-3 Bench Type Parts

Item No.	Part No.	Description	Qty
1	169722	Sheet (keysheet protect Uni-3)	1
2	169723	Edit-keysheet (Uni-3)	1
3	169724	Membrane keypad	1
-	170916	Keysheet, operation insert	1
4	169725	PWB, PS-068, KEY	1
5	181179	Case	1
6	169727	Platter (SUS304)	1
7	169728	Guard (Platter)	1
-	42848	Screw, Phillips, M4-0.7 x 8, pan head	2
8	181183	Cover customer	1
9	102812	Lens	1
10	Consult	Support-power outlet Bench Type L2 and Pole Type L2 Only	1
	Consult	Support-power outlet Bench Type L1 and Pole Type L1 Only	1
11	Consult	Support power outlet	1
12	44406	Rubber plate support, 30 lb	4
	190731	Rubber plate support, 60 lb	4
13	80963	Load cell, 30 lb, C2G1-25K-S18	1
	190314	Load cell, 60 lb, C2G1-50K-S18	1
14	Consult	Base (load cell)	1
15	80969	Harness, C4, power	1
16	80991	Power cord	1
17	66398	Switch (BR-22C-11L-S)	1
18	Consult	Nameplate (Uni-3L2 BENCH 30 lb USA)	1
	Consult	Nameplate (Uni-3L1 BENCH USA)	
	Consult	Nameplate (Uni-3L2 USA-M 30 lb)	
	Consult	Nameplate (Uni-3L1 30 lb USA)	
19	Consult	Connector	1
20	169730	PWB, PS-990G-2, MAIN 2M	1
21	169729	PWB, PS-067, A/D	1
22	169731	Cover (Base port)	1
23	Consult	Base 2	1
24	Consult	Bracket (Display-L1)	2
25	169732	Display LCD dot (SMMD0202-A-00-SPC) Bench Type L2 and Pole type L2 Only	2
	169783	LCD display module (BTD2301E-TDWC-G-B-A02) Bench Type L1 and Pole type L1 Only	

Item No.	Part No.	Description	Qty
26	169733	Cover-printer front	1
27	79432	Foot, level	4
28	Consult	Base, plate	1
29	107707	Power supply, LSF100-24	1
30	169734	Cover-printer side	1
31	169735	Printer nameplate	1
32	66383	Hinge (Plastic)	2
33	179451	Display sheet, customer, 30 lb, L2 Only	1
	190734	Display sheet, customer, 60 lb, L2 Only	
	179440	Display sheet, customer, 30 lb, L1 Only	
	190735	Display sheet, customer, 60 lb, L1 Only	
34	174509	Display sheet, operator, 30 lb, L2 Only	1
	190736	Display sheet, operator, 60 lb, L2 Only	
	174508	Display sheet, operator, 30 lb, L1 Only	
	190737	Display sheet, operator, 60 lb, L1 Only	
75	47073	Harness, S2, power	1
76	Consult	Harness, LCD, 380 mm, Bench L2 Only	1
	187080	Harness, C2, display, Pole L2 Only	
	170778	Harness, C3, display, L1 Only	
77	104253	Harness, S2, LCD, L2 Only	1
	170779	Harness, S2, display, L1 Only	
78	170780	Harness, S2, keyboard	1
79	66396	Harness, C3, power	1
80	Consult	Bracket, printer	1
81	104172	Resistor assembly, L2 Only	1
82	198435	Bracket, magnet	1
83	Consult	Label, GND cord	1
87	Consult	Ferrite, core, L1 Only	2
97	Consult	Magnet	1
98	Consult	Bracket, base cover	1

WiPort and Wireless Options			
999	119159	Antenna	1
999	119158	PWB PK-265A RF wireless card, WiPort	1

Table 3-1. Uni-3 Bench Type Parts List

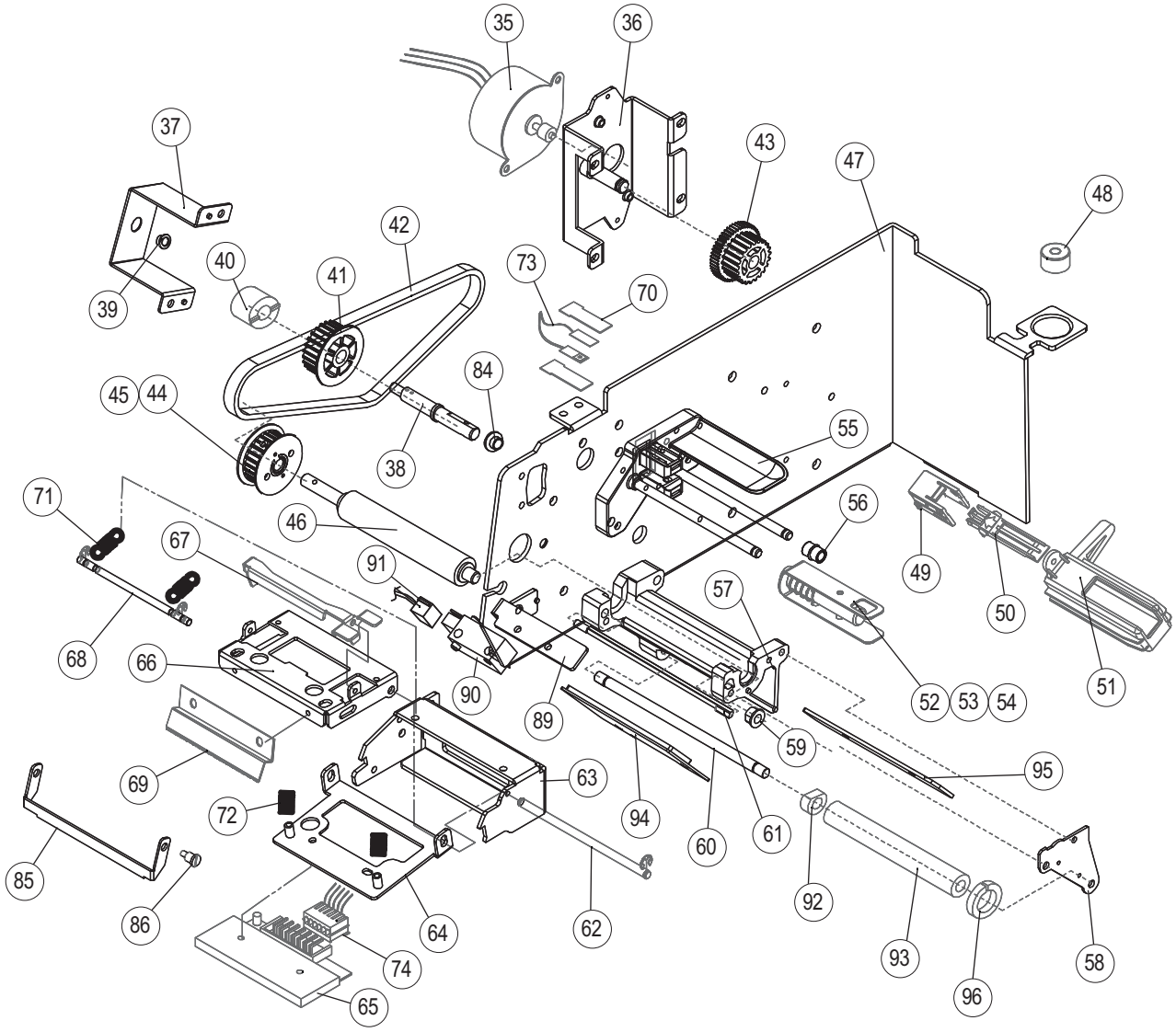


Figure 3-2. Uni-3 Printer Parts

Note ***Printer parts are applicable to all Bench, Pole and Hanging types.***

Item No.	Part No.	Description	Qty
35	179441	Motor stepping,49P048L0-00702	1
36	Consult	Bracket motor	1
37	Consult	Bracket 01 (Printer-rewind)	1
38	193844	Axis-rewind	1
39	Consult	Bush, CSB-EPBF-0507-04	1
40	Consult	Bush, OLTC6-1500C	1
41	179442	Gear-rewind	1
42	179443	3M-HTD-330	1
43	179444	Gear dual	1
44	179445	Gear driver	1
45	179446	Cover, gear-drive	1
46	169737	Roller rubber	1
47	192243	Frame, printer	1
48	44425	Level unit	1
49	66378	Holder guide label	1
50	66376	Lever guide label	1
51	Consult	Holder label	1
52	185465	Bracket	1
53	185467	Spring, bobbin	1
54	185468	Shaft, bobbin	1
55	198378	Support, NL	1
56	191914	Axle bush	32
57	192244	Support, roll, NL	1
58	192245	Cover	1
59	66370	Bush, left	2

Item No.	Part No.	Description	Qty
60	193226	Axis 01	1
61	193225	Axis 02	1
62	45221	Shaft 1	1
63	192246	Frame head	1
64	191529	Bracket head	1
65	119169	Thermal head, CHX56-9719A, 1100 ohm	1
66	192247	Bracket lock	1
67	177790	Bracket push	1
68	188149	Axis, hold (printer)	1
69	188153	Tear bar	1
70	195440	Bracket, sensor	2
71	45206	Tension spring	2
72	45203	Spring coil	2
73	104832	Label sensor assembly	1
74	104267	Harness, S2, thermal head	1
84	193845	Bush, CSB-EPBR-0608-04	1
85	199263	Bracket, cutter	1
86	199264	Screw, cutter	2
89	193312	Bracket, peel sensor	1
90	179447	Photo interrupter, reflector, peel sensor	1
91	195421	Harness, peel sensor, 160 mm	1
92	Consult	Shaft, POM	1
93	Consult	Bush	1
94	193224	Bracket, peel off	1
95	Consult	Bracket, fixed	1
96	Consult	Label guide	1

Table 3-2. Uni-3 Printer Parts List

Note ***Printer parts are applicable to all Bench, Pole and Hanging types.***

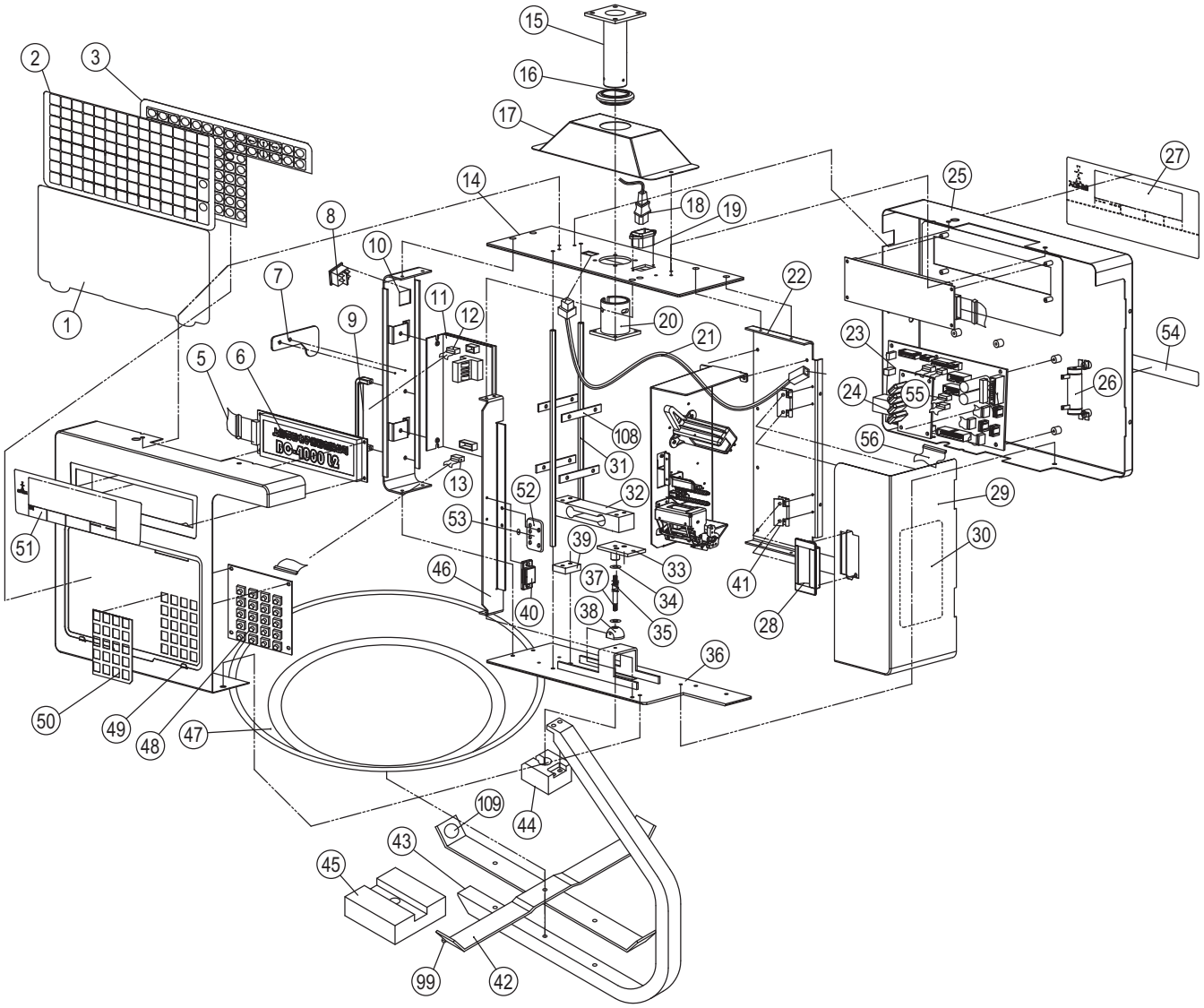


Figure 3-3. Uni-3 Hanging Type Parts

Item No.	Part No.	Description	Qty
1	190276	Cover, keyboard	1
2	190277	Edit keyboard, Uni-3H	1
3	102813	Overlay membrane	1
5	Consult	Harness, LCD1 380 mm	1
6	169732	Display, LCD, dot	2
7	Consult	Bracket, seal	1
8	66398	Switch	1
9	Consult	Handle	1
10	Consult	Bracket, 02, left	1
11	107707	Power supply, LFS100-24	1
12	66396	Harness, C3, power	1
13	47073	Harness, S2, power	1
14	Consult	Upper base	1
15	104649	Accessory, weld, assembly	1
16	104650	Seal, rubber	1
17	104651	Cover, upper	1
18	Consult	Power cable	1
19	Consult	Harness, C4, power	1
20	104654	Accessory, weld, assembly	1
21	Consult	Harness, TCP IP	1
21.1	Consult	PWB, PS-047, TCP/IP	-
21.2	Consult	Harness, C5, TCP/IP	-
21.3	Consult	Connector, net	-
22	Consult	Base, printer	1
23	169730	PWB, PS-990G2, CPU board, 2M	1
24	169729	PWB, PS-067, A/D board	1
25	Consult	Cover, custom	1
26	104172	Resistor assembly	1
27	190278	Sheet, display customer	1
28	Consult	Handle	1
29	Consult	Cover, printer	1
30	169735	Nameplate, printer	1

Item No.	Part No.	Description	Qty
31	Consult	Screw, support	2
32	80963	Load cell, C2G1-25K-S18	1
33	165282	Accessory, WELD, hook	1
34	104669	Washer, GB	2
35	104668	Spring, hook	1
36	Consult	Base, bottom	1
37	165010	Screw, hook	1
38	104667	Ball, hook	1
39	Consult	Block, LC	1
40	Consult	Magnetic gravitation	1
41	66383	Hinge	2
42	183910	Bar cross platter	1
43	104671	Platter, bar	1
44	104672	Block, bar connect	1
45	Consult	Bracket	1
46	Consult	Bracket, 01, printer	1
47	104673	Platter	1
	109499	Rectangular platter	-
48	102817	PWB, PS-037, tactile keyboard	1
49	Consult	Cover, operation	1
50	190280	Sheet, key	1
51	190279	Sheet, display operator	1
52	Consult	Bracket, GND	1
53	Consult	Label, GND cord	1
54	Consult	Nameplate	1
55	Consult	Harness, LCD1 380 mm	1
56	Consult	Harness, S3, key	1
99	193312	Bracket, peel sensor	1
108	183911	Rubber	4
109	183912	Nut	1
110	Consult	USB outlet, U09-AF-AF-B	1
111	Consult	Harness, S2, USB	1

Table 3-3. Uni-3 Hanging Type Parts List

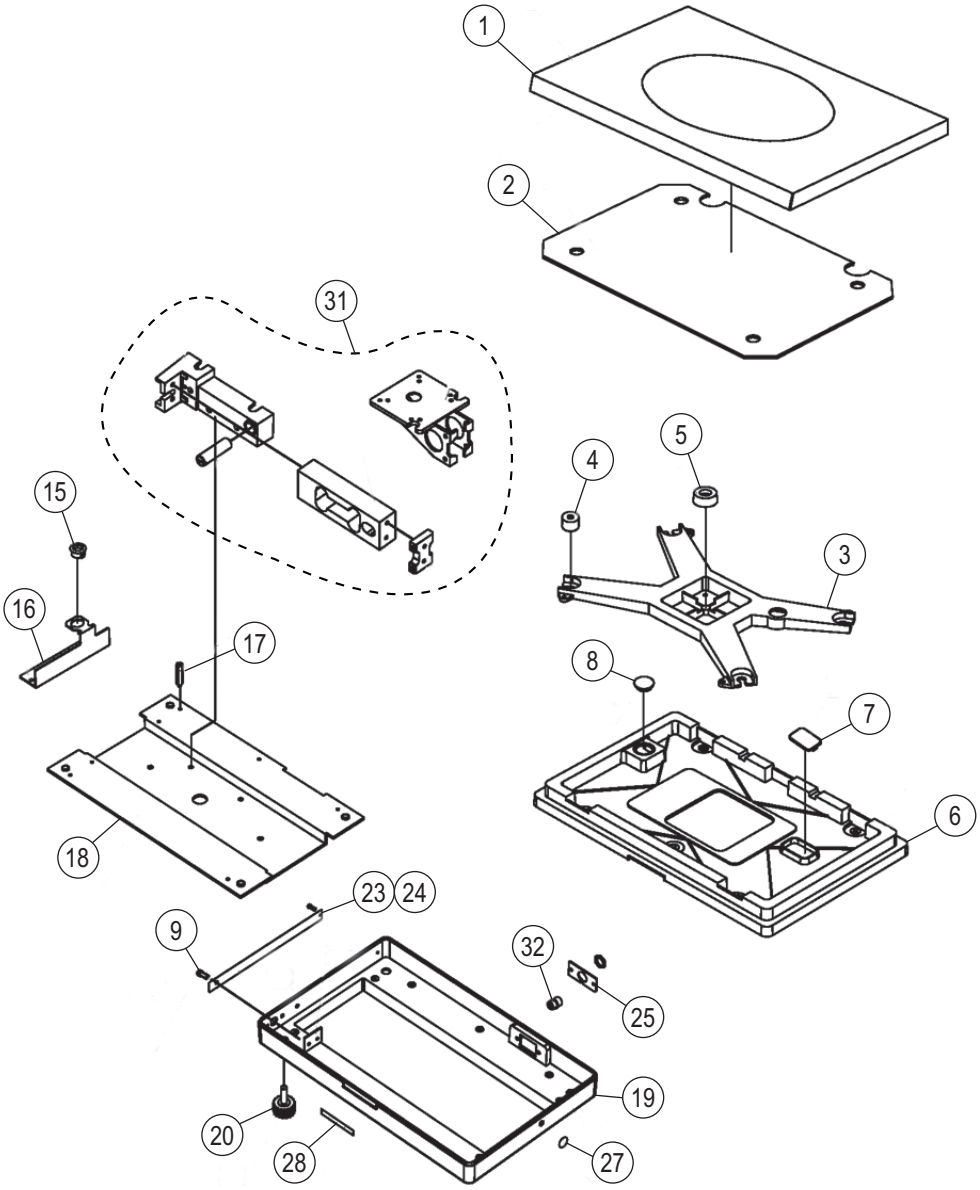


Figure 3-4. Remote Scale Base Parts

Item No.	Part No.	Description	Qty
1	47033	Scale platter	1
2	45151	Sheet, insulator	1
3	45144	Platter supporter	1
4	41706	Supporter rubber	4
5	47036	Rubber pad	1
6	47029	Enclosure, top cover	1
7	47034	Cap	1
8	42857	Level lens	1
9	42734	Push rivet	2
15	Consult	Level assembly	1
16	47026	Bracket level	1
17	47021	Threaded rod, hex, mf	1
18	47022	Base	1
19	47019	Main body, base cover	1
20	47024	Leg, level adjust	4
23	Consult	Name plate special	1
24	Consult	Plate A	1
25	Consult	Plate B metal	1
27	47025	Seal	1
28	47031	Name plate, Ishida	1
31	85826	Load cell assembly	1
32	162960	Connector, round (mounted on RSB-3000 body)	1
–	85830	Harness, RSB-3000 to indicator	-
–	41738	Plug, internal A/D board connection	-
–	106107	Pin, crimp, internal A/D board connection	-

Table 3-4. Uni-3 Remote Scale Base Parts List

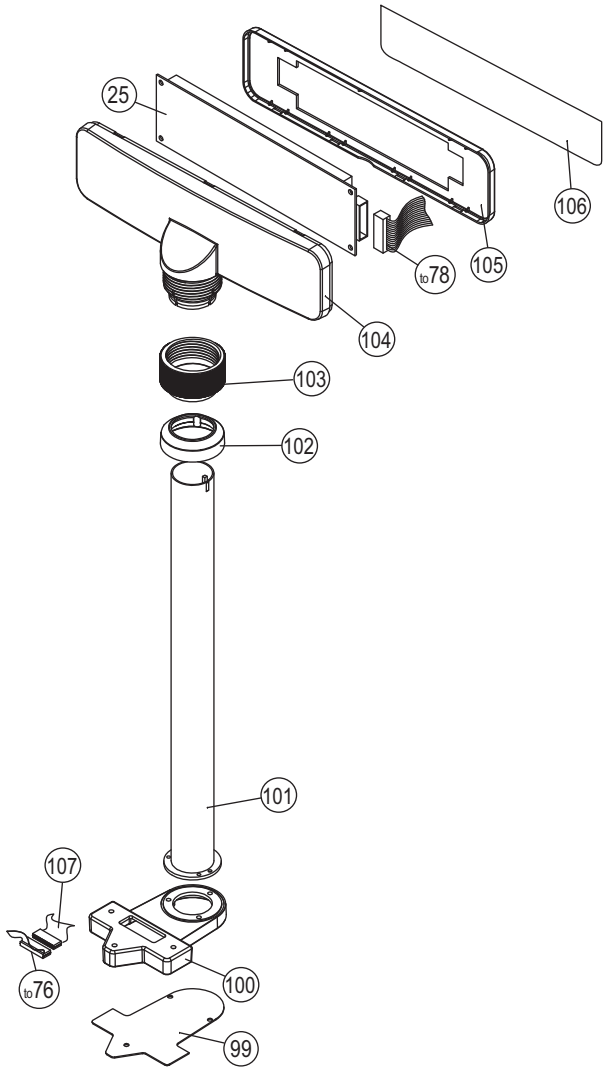
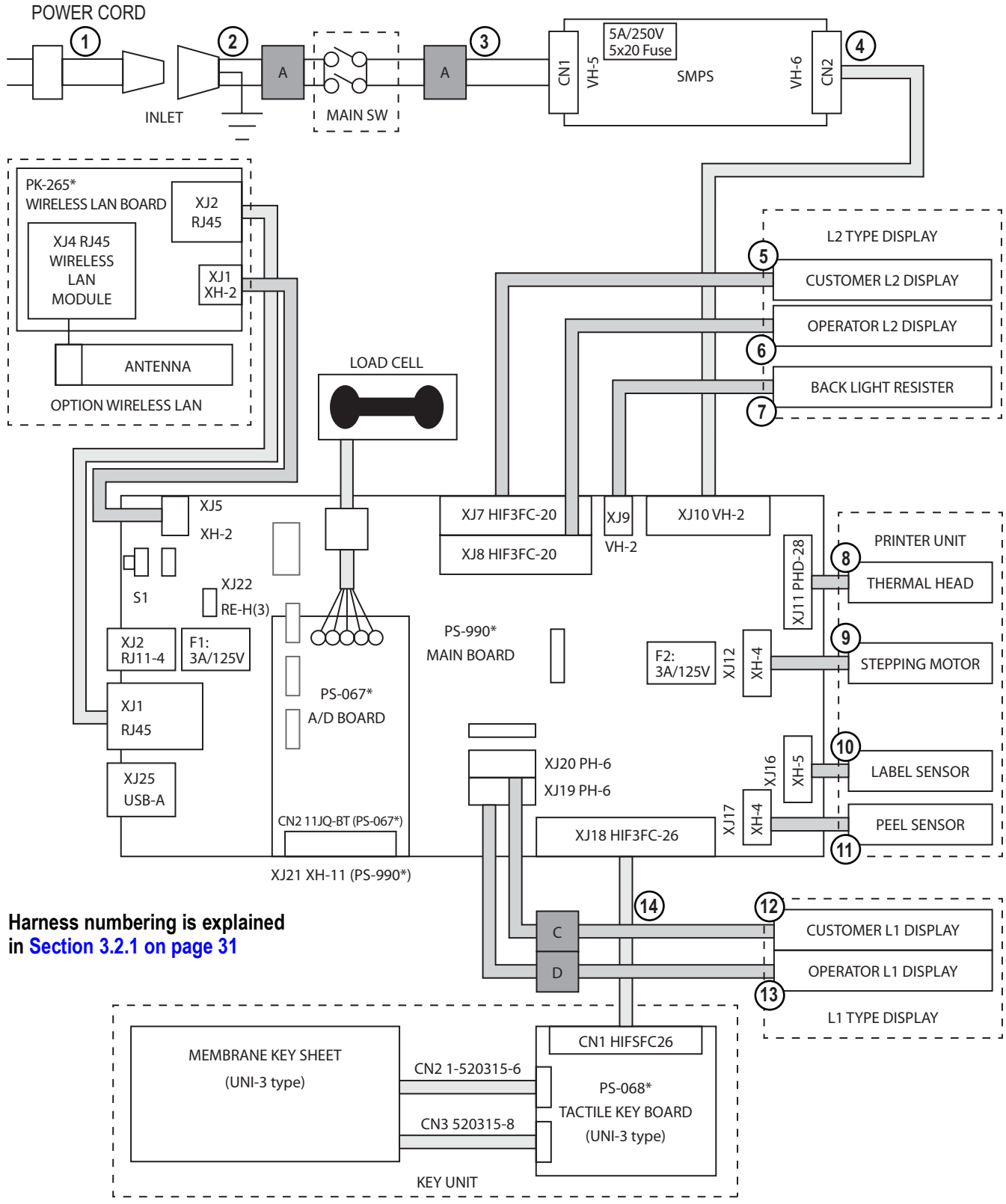


Figure 3-5. Uni-3 Pole Type Parts

Item No.	Part No.	Description	Qty
25	169732	Display, LCD, L2 Only	1
	169783	Display, LCD, L1 Only	
99	192238	Bracket, pole base	1
100	177789	Pole base	1
101	192239	Pole	1
102	192240	Cover, pole base	1
103	178626	Lock nut, Uni-3	1
104	192241	Case, display, B	1
105	192242	Case, display, F	1
106	179453	Display sheet, customer, 30 lb, L2 Only	1
	190732	Display sheet, customer, 60 lb, L2 Only	
	179454	Display sheet, customer, 30 lb, L1 Only	
	190733	Display sheet, customer, 60 lb, L1 Only	
107	190023	Harness, S2, display, L2 Only	1

Table 3-5. Uni-3 Pole Type Parts List

3.2 Block Diagrams



Harness numbering is explained in Section 3.2.1 on page 31

Figure 3-6. Block Diagram (Uni-3 Bench and Pole Types)

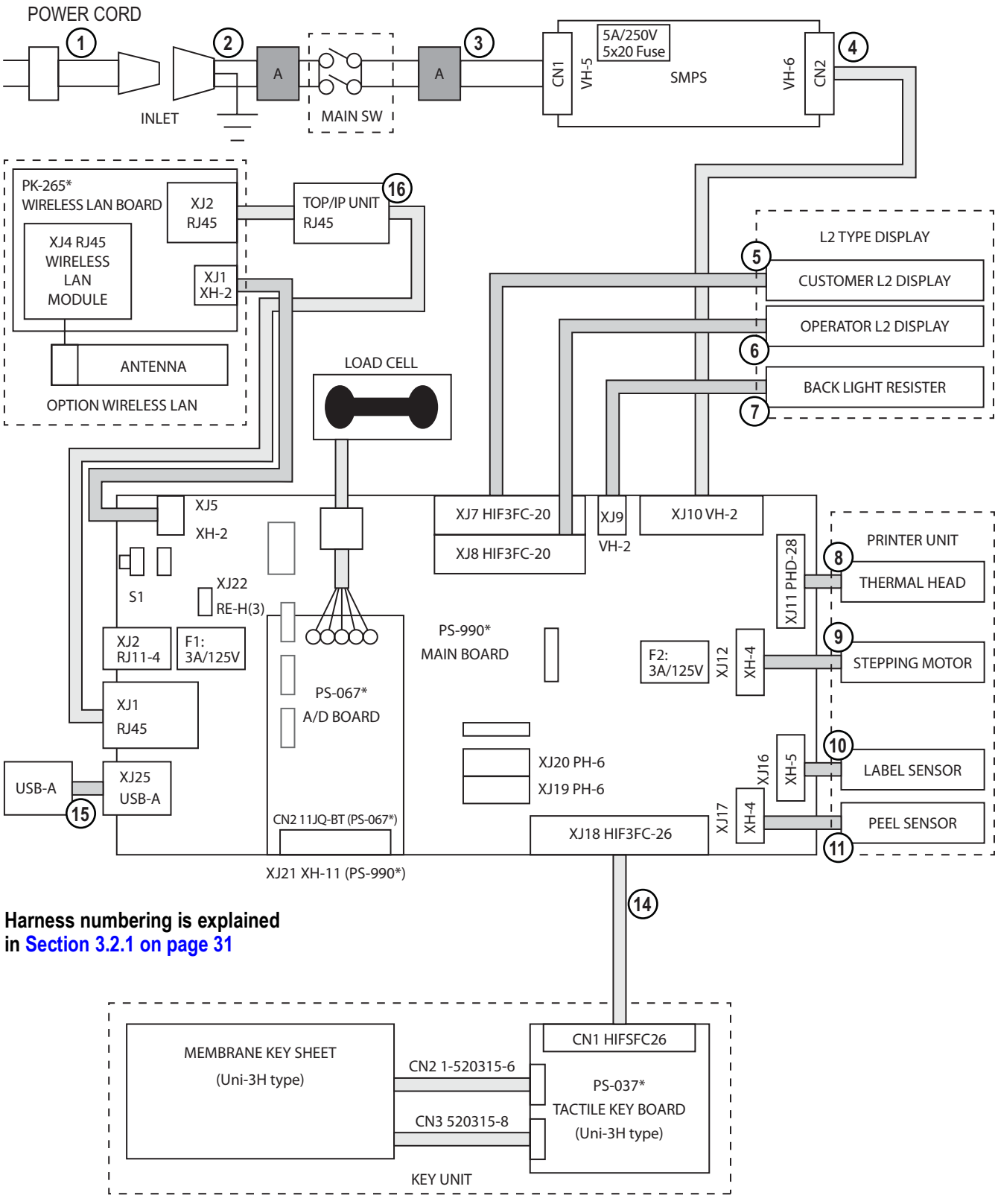


Figure 3-7. Block Diagram (Uni-3 Hanging Type)

3.2.1 Harness List

Item No.	Purposes
1	AC power cord for USA
2	Bench/Pole type power receptacle assy
	Hanging type power receptacle assembly
3	AC power to SMPS (power supply)
4	DC+24V to main board
5	L2 Bench type customer side display
	L2 Pole type customer side display (main board side)
	L2 Pole type customer side display (display side)
	L2 Hanging type customer side display
6	L2 Bench/Pole type operator side display
	L2 Hanging type operator side display
7	L2 Type backlight resistor assembly
8	Thermal head
9	Stepping motor assy
10	Label sensor assy
11	Bench/Pole type peel sensor
	Hanging type peel sensor
12	L1 Bench type customer side display
	L1 Pole type customer side display (main board side)
	L1 Pole type customer side display (display side)
13	L1 type operator side display
14	Bench/Pole type key
	Hanging type key
15	TCP/IP unit
16	USB extension cable

Table 3-6. Harness List

3.3 Electric Signals

3.3.1 Main Board PS-990

No.	Signal Name	Direction	Opposite Side
1	TX+	↔	LAN
2	TX-	↔	
3	RX+	↔	
4	Not connected		
5	Not connected		
6	RX-	↔	
7	Not connected		
8	Not connected		

Table 3-7. XJ1

No.	Signal Name	Direction	Opposite Side
1	Unused		Cash Drawer
2	DC+24V for drawer	–	
3	GND for drawer	–	
4	Unused		

Table 3-8. XJ2

No.	Signal Name	Direction	Opposite Side
1	DC+5V	–	Wireless LAN
2	GND	–	

Table 3-9. XJ5

No.	Signal Name	Direction	Opposite Side
1	GND	–	XJ7: Customer side display (L2) XJ8: Operator side display (L2)
2	DC+5V	–	
3	RESET#	→	
4-6	E1, E2, E3	→	
7	R/W	→	
8	A0	→	
9-16	LCD data signal D0-D7	→	
17	LED ANODE (Y/G)	–	
18, 20	Not connected		
19	LED CATHODE (Y/G)	–	

Table 3-10. XJ7,8

No.	Signal Name	Direction	Opposite Side
1	DC+24V	–	Back light register (L2)
2	DC+24V for LCD (L2)	–	

Table 3-11. XJ9

No.	Signal Name	Direction	Opposite Side
1	DC+24V main power supply	–	Switching power supply
2	GND	–	

Table 3-12. XJ10

No.	Signal Name	Direction	Opposite Side
1	DC+5V	–	Thermal head
2	GND	–	
3, 4, 6, 10, 27	Thermal head control signal	→	
5, 7-9, 28	Not connected		
11, 12	Thermistor input signal	←	
13-19	GND	–	
20-26	DC+24V for thermal head	–	

Table 3-13. XJ11

No.	Signal Name	Direction	Opposite Side
1	1A	→	Stepping motor for label feeding
2	1B	→	
3	2A	→	
4	2B	→	

Table 3-14. XJ12

No.	Signal Name	Direction	Opposite Side
1	DC+3.3V	–	Label sensor
2	VCC for LED	→	
3	GND	–	
4	Sensor in	←	
5	Not connected		

Table 3-15. XJ16

No.	Signal Name	Direction	Opposite Side
1	DC+5V for peel sensor	–	Peel sensor
2	GND	–	
3	DC+3.3V	–	
4	Sensor in	←	

Table 3-16. XJ17

No.	Signal Name	Direction	Opposite Side
1-8	Key scanning KS0-KS7	→	Tactile keyboard PS-068 (B/P/EV) PS-037
9-23	Key data KD0-KD14	←	
24-26	Not connected		

Table 3-17. XJ18

No.	Signal Name	Direction	Opposite Side
1, 5	DC+5V	–	XJ19: Customer side display (L1)
2	GND	–	
3, 4	LCD control signal	↔	XJ20: Operator side display (L1)
6	FG	–	

Table 3-18. XJ19,20

No.	Signal Name	Direction	Opposite Side
1-4, 8	A/D board control signal	↔	A/D board PS-067*
5, 9	GND	–	
6	DC+5V	–	
7, 11	Not connected		
10	DC+12V for A/D board	–	

Table 3-19. XJ21

No.	Signal Name	Direction	Opposite Side
1	Battery+	–	Jumper
2	Backup power	–	
3	Not connected		

Table 3-20. XJ22

No.	Signal Name	Direction	Opposite Side
1	Vbus	–	USB memory
2	D-	↔	
3	D+	↔	
4	GND	–	

Table 3-21. XJ25

No.	Signal Name	Direction	Opposite Side
1	DC+5V	–	Scanner
2	GND	–	
3	TxD	→	
4	RTS	→	
5	RxD	←	
6	CTS	←	

Table 3-22. XJ101

3.3.2 A/D Board PS-067

No.	Signal Name	Direction	Opposite Side
1	Shield		Load Cell
2	- Signal (Blue)	←	
3	+ Signal (Green)	←	
4	- Excitation (White)	→	
5	+ Excitation (Red)	→	

Table 3-23. CN1 Load Cell

No.	Signal Name	Direction	Opposite Side
1, 3, 5, 7, 11	Not connected		Main board PS-990* XJ21
2, 4, 8	A/D board control signal	↔	
6	DC+5V	–	
9	GND	–	
10	DC+12V	–	

Table 3-24. CN2

3.3.3 Key Board PS-068 (Bench/Pole), PS-037 (Hanging)

No.	Signal Name	Direction	Opposite Side
1-8	Key scanning KS0-KS7	←	Main board PS-990* XJ18
9-22	Key data KD0-KD13	→	
23-26	Not connected		

Table 3-25. CN1

No.	Signal Name	Direction	Opposite Side
1-14	Key data KD0-KD13	←	Membrane key sheet
15, 16	Not connected		

Table 3-26. CN2

No.	Signal Name	Direction	Opposite Side
1-8	Key scanning KS0-KS7	→	Membrane key sheet

Table 3-27. CN3

3.3.4 L1 Type LCD Display Board

No.	Signal Name	Direction	Opposite Side
1	DC+5V	–	Main board PS-990* XJ19,20
2	GND	–	
3, 4	LCD control signal	↔	
5	DC+5V for LED	–	

Table 3-28. L1 Display

3.3.5 L2 Type LCD Display Board

No.	Signal Name	Direction	Opposite Side
1, 3	Not connected		Main board PS-990* XJ7, 8
2	LED CATHODE (Y/G)	–	
4	LED ANODE (Y/G)	–	
5-12	LCD data signal D0-D7	←	
13	A0	←	
14	R/W	←	
15-17	E1, E2, E3	←	
18	RESET #	←	
19	DC+5V	–	
20	GND	–	

Table 3-29. L2 Display

3.3.6 Wireless LAN Board (PK-265)

No.	Signal Name	Direction	Opposite Side
1	DC+5V	–	Main board PS-990* XJ5
2	GND	–	

Table 3-30. XJ1

No.	Signal Name	Direction	Opposite Side
1	TX+	→	Main board PS-990* XJ1
2	TX-	→	
3	RX+	←	
6	RX-	←	
10	LEDR	–	
11	LEDL	–	
4, 7, 13, 14	GND	–	
9, 12	DC+3.3V	–	

Table 3-31. XJ2

3.4 Machine Disassembly

3.4.1 Bench Type

CAUTION ***Unplug the power cord from the wall outlet before starting the disassembly work.***

Top Cover Disassembly Procedure

1. Remove the platter.
2. Carefully turn the scale upside down.

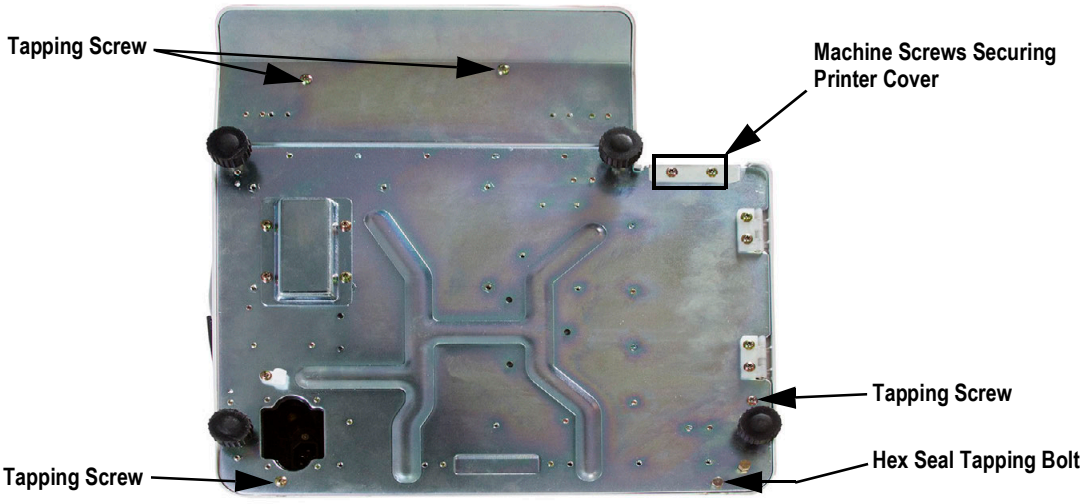


Figure 3-8. Turn the Scale Upside Down

3. Remove the following fasteners that secure the top cover:
   - four tapping screws
   - one Allen head hex seal tapping bolt (8 mm)
4. Remove the two machine screws securing the front printer cover.
5. Carefully turn the scale right side up.
6. Open the right side cover.

Figure 3-9. Right Side Cover

7. Remove the front printer cover.

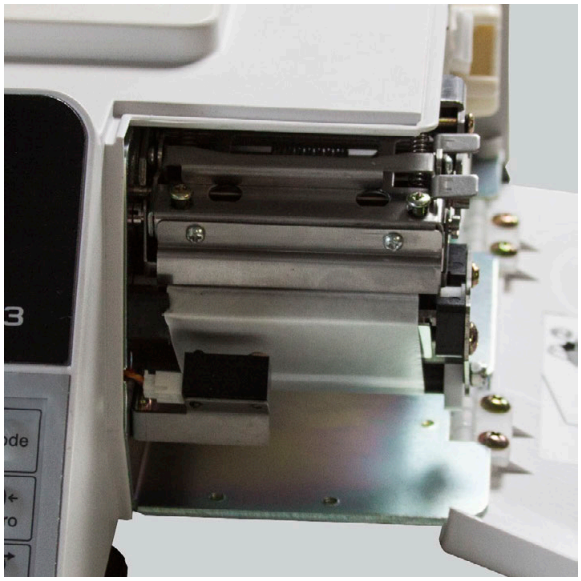


Figure 3-10. Remove Front Printer Cover

8. Carefully pull the top cover up just enough to unplug the keyboard connector cable and the customer side display cable (bench models only).

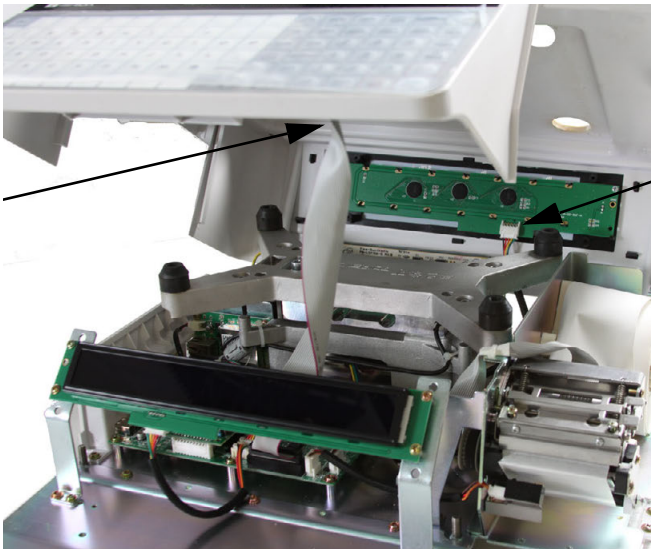


Figure 3-11. Unplug Cables from Top Cover

9. Once unplugged, remove the top cover.

Note ***Reverse this procedure for assembly.***

Platter Support and Load Cell Disassembly Procedure

1. Remove the two Allen head hex bolts (5 mm) from the platter support.

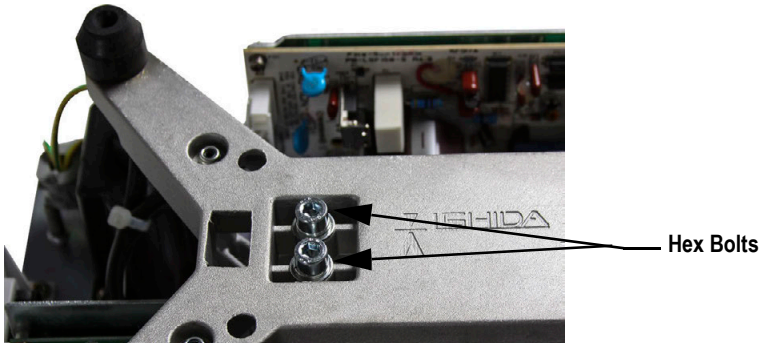


Figure 3-12. Platter Support Disassembly

2. Remove the platter support.
3. Remove the five machine screws securing the printer.

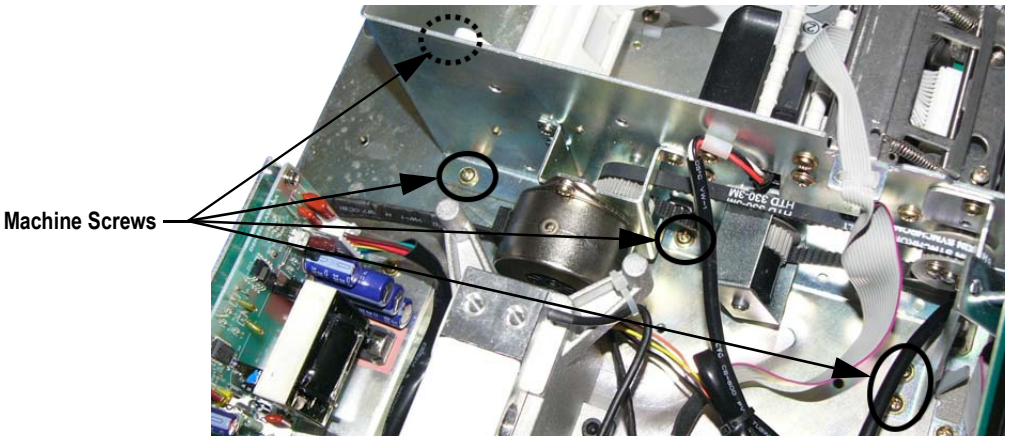


Figure 3-13. Printer Disassembly

4. Remove the peel sensor, label sensor, motor and print-head ribbon cables.
5. Move the printer to the side.
6. Remove the five Allen head hex bolts (4 mm) securing the load cell bracket.

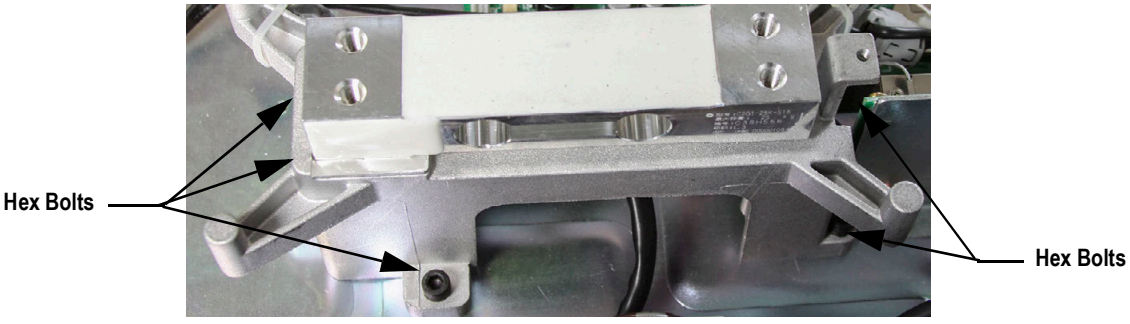


Figure 3-14. Load Cell Bracket Disassembly

7. Unsolder the five wires from the A/D board (PS-067).
8. Remove the two Allen head hex bolts (5 mm) and remove the load cell and load cell bracket.
9. Carefully turn over the load cell bracket and remove the two Allen head hex bolts (5 mm).
10. Detach the load cell.

Note ***Reverse this procedure for assembly.***

Thermal Head Disassembly Procedure

1. Open the side panel and remove the front cover (two screws).
2. Remove the two screws securing the thermal head.

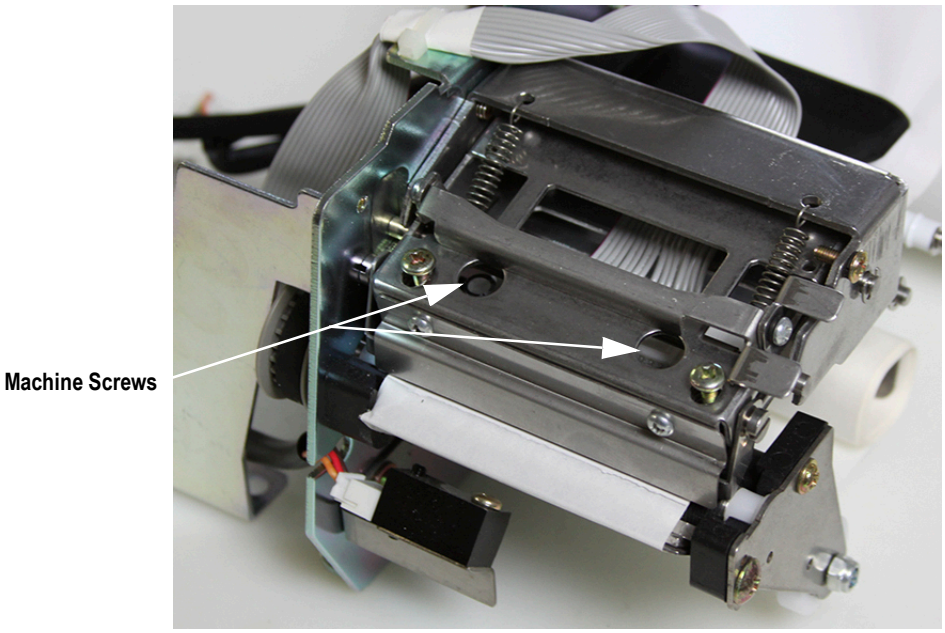


Figure 3-15. Remove Two Screws from Thermal Head

3. Unlatch and raise the thermal head bracket.

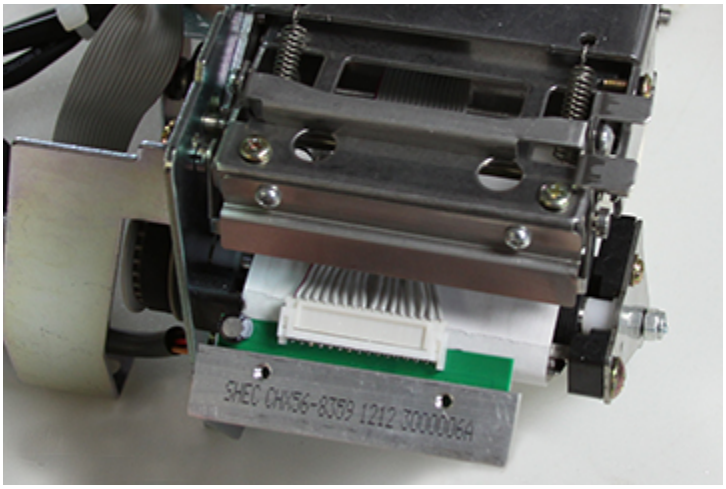


Figure 3-16. Unlatch Thermal Head Bracket

4. Pull the thermal head forward and unplug the connector.

Note

Reverse this procedure for assembly.

Test the thermal head alignment by printing a checker pattern, see Section 5.7 on page 83. Loosen the two screws and adjust the mounting position as needed.

Main CPU Board Disassembly Procedure

1. Unplug all of the cables and the A/D board from the main CPU board.

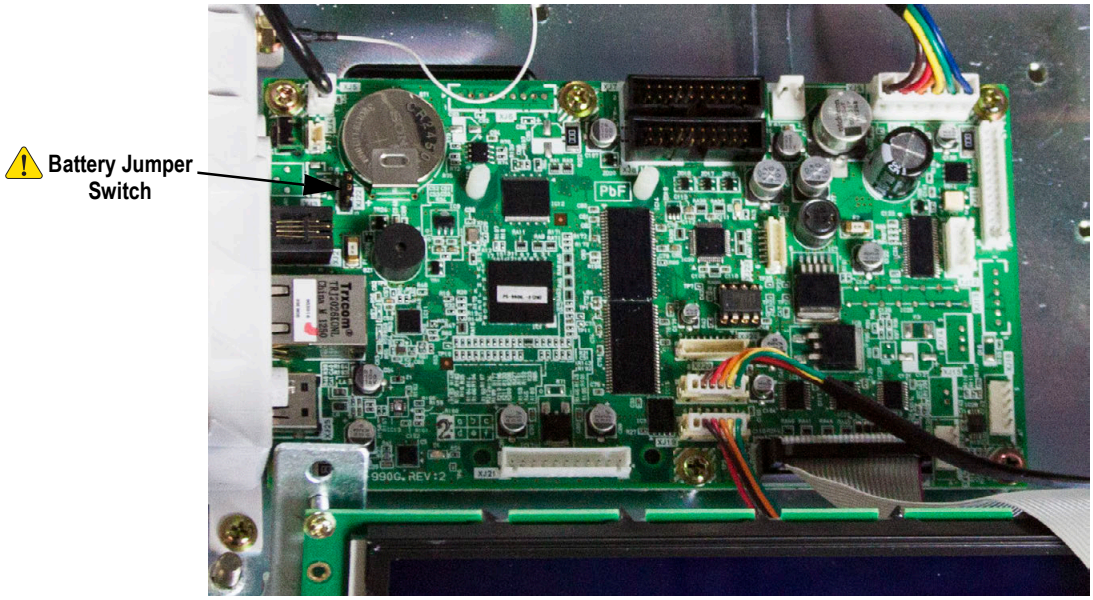


Figure 3-17. Main Board Disassembly

2. Remove the six screws; three on each long side of the main CPU board.
3. Remove the main CPU board.

Note ***Reverse this procedure for assembly.***

IMPORTANT ***Replacement CPU boards are shipped with the battery jumper switch set in the OFF position. Be sure to move the jumper to the ON position after installation.***

Check the firmware version installed on the replacement CPU board and update as needed. See Section 5.5 on page 82 (C05-Firmware Details) and Section 5.9.1 on page 86 (Firmware Loading Procedure).

Operator Display Board Disassembly Procedure

1. Remove the top cover.
2. Unplug the customer display from the main CPU board (bench models only).

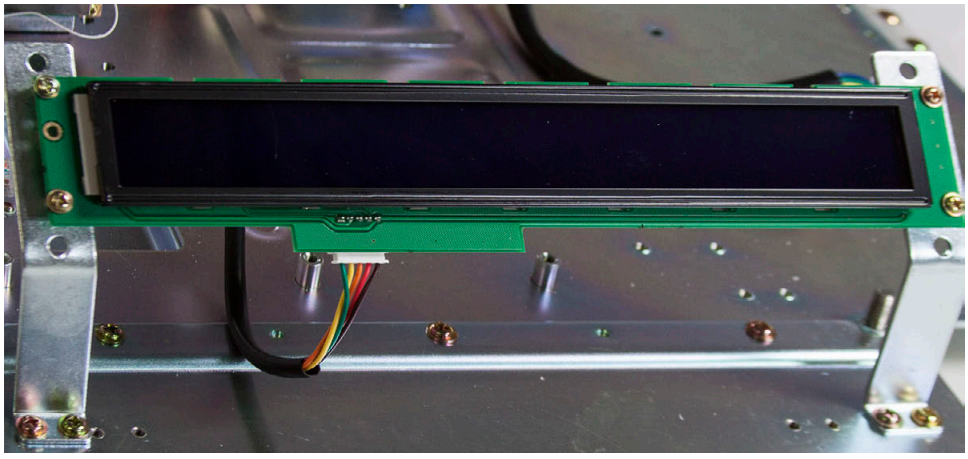


Figure 3-18. Operator Display Board Disassembly

3. Remove the four machine screws.

Customer Side Display Board Disassembly Procedure (Bench Models Only)

1. Remove the top cover.
2. Release the five tabs.

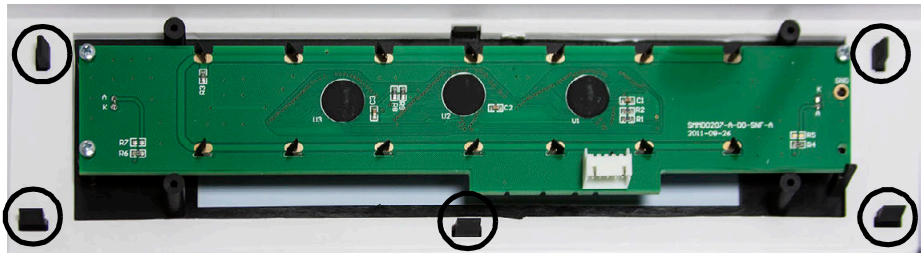


Figure 3-19. Customer Side Display Board Disassembly

3. Remove the three self tapping screws.

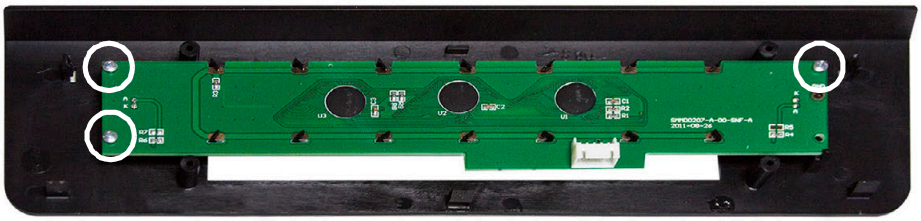


Figure 3-20. Remove the Three Screws

Note ***Reverse this procedure for assembly.***

Keypad Disassembly Procedure

1. Unplug the two flexible cables from the keypad board.

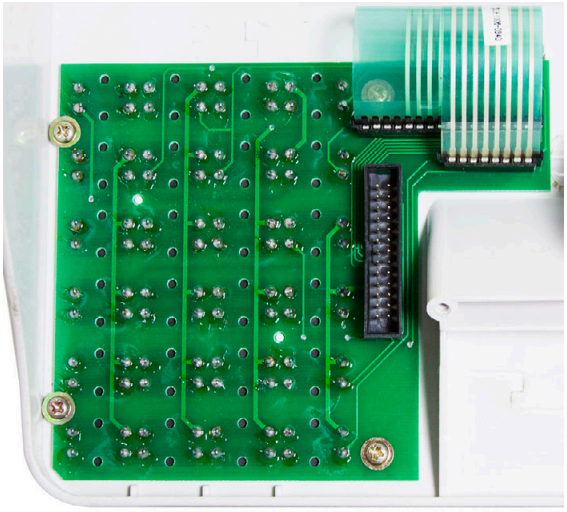


Figure 3-21. Keypad Disassembly

2. Remove the four screws.
3. Remove the keypad board.
4. Peel off membrane keypad.

IMPORTANT ***The membrane keypad will be damaged during removal and cannot be reattached. Before removal, connect the replacement and verify operation.***

Remove all adhesive from the plastic case before applying the new membrane keypad. An uneven surface will lead to premature failure.

Note ***Reverse this procedure for assembly.***

Power Supply Disassembly Procedure

1. Remove the two screws.

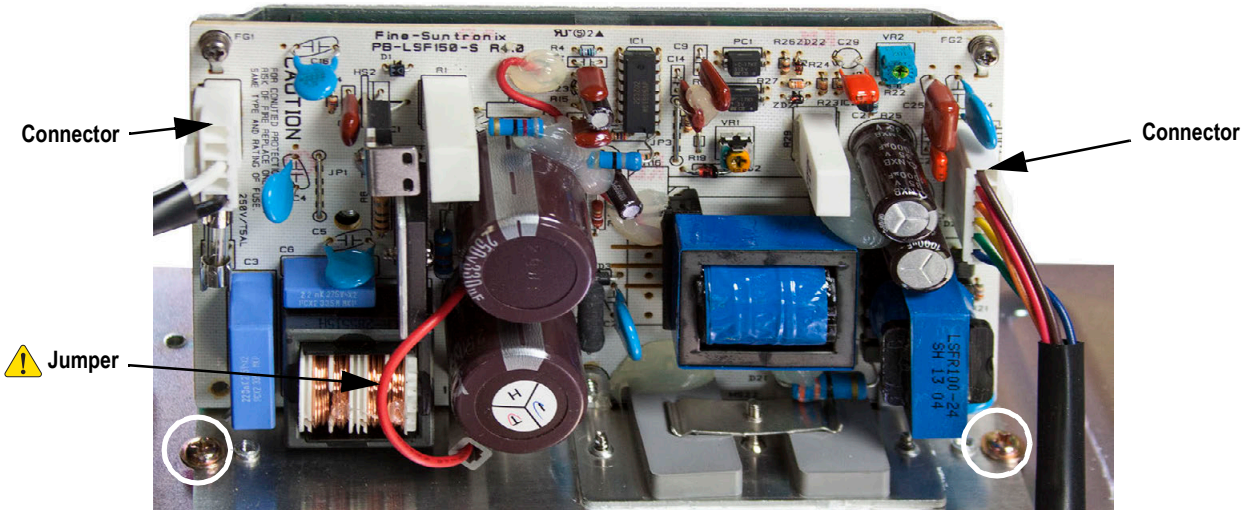


Figure 3-22. Power Supply Disassembly

2. Unplug the two connectors from the power supply.
3. Remove the power supply.

CAUTION ***When installing a new power supply, be sure the input voltage jumper is set correctly for 110V or 220V. The power supply will be damaged or not operate if the jumper is set incorrectly.***

Note ***Reverse this procedure for assembly.***

Label Gap Sensor Disassembly and Replacement Procedure

1. Remove the top cover of the Uni-3 (see Top Cover Disassembly Procedure on page 38).
2. Unplug the label sensor wire from the **XJ16** connection on the CPU board.
3. Remove cable clamp holding the sensor wire to the side wall inside of the unit. Retain for reinstallation.
4. Cut the wire tie securing the excess wire.

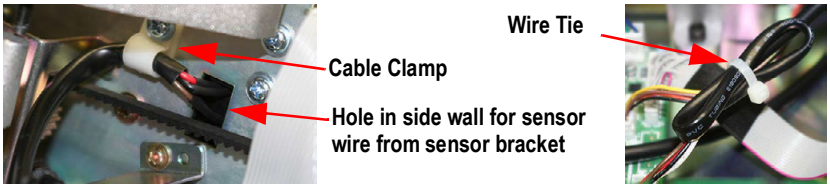


Figure 3-23. Cable Clip and Wire Tie

5. Loosen the screws supporting the sensor support bracket, on the inside of the side wall.
6. Remove the sensor support bracket, pulling the wire through the hole in the side wall.

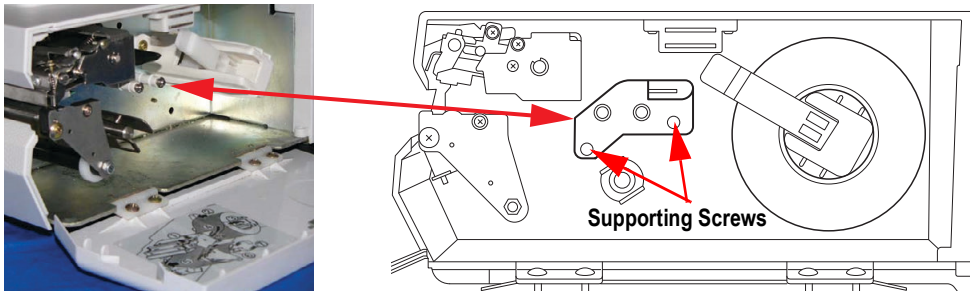


Figure 3-24. Remove Sensor Support Bracket

7. Using a small flat head screwdriver, gently nudge the sensor support tabs out of the sensor support bracket.

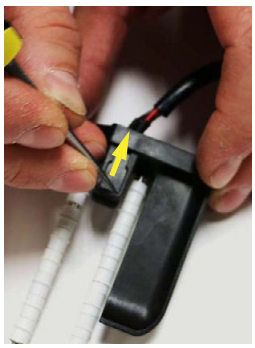


Figure 3-25. Support Tabs

8. Pull the label sensor assembly from the support bracket and discard.

Figure 3-26. Insert Sensor Assembly

9. Insert the sensor end of the new sensor wire into the support bracket.
10. Gently push the sensor support tabs back into the support bracket.
11. Ensure the sensors are all the way in and the sensor wire is secure.

Figure 3-27. Assembly Complete

12. Thread the end of the wire into the hole in the side wall (see Figure 3-22 on page 44).
13. Align the sensor bracket to the holes in the side wall.
14. Secure the sensor bracket using the original screws.
15. Secure the sensor wire to the side wall using the clip retained in Step 3.
16. Plug the sensor into connection **XJ16** on CPU board.
17. Gather excess wire and use a wire tie to bind it together.
18. Reassemble the Uni-3 (see Top Cover Disassembly Procedure on page 38).

3.4.2 Pole Type

CAUTION ***Make sure to unplug the power cord from the wall outlet before starting the disassembly work.***

Pole Unit

1. Remove the platter.
2. Carefully tip the scale on its side to access the base of the pole at the bottom of the scale.

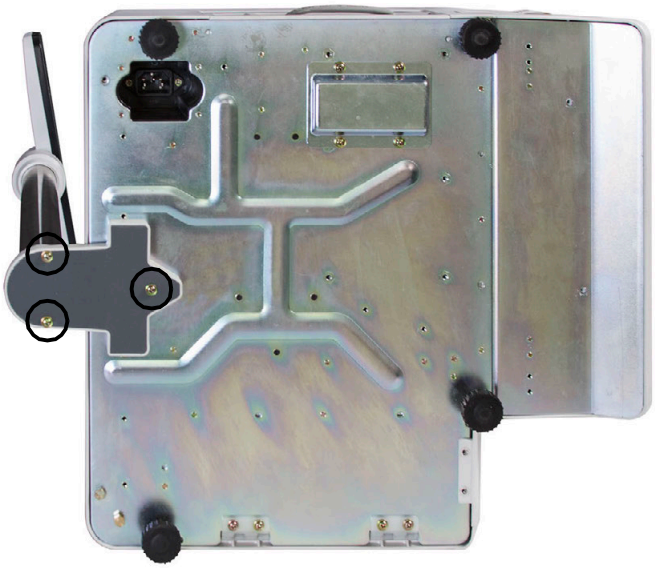


Figure 3-28. Pole Disassembly

3. Remove the three screws from the base of the pole.
4. Detach the pole base plate.

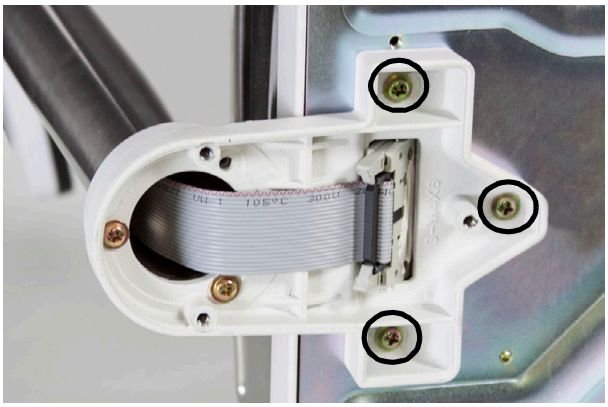


Figure 3-29. Detach the Pole Base Plate

5. Unplug the connector.
6. Remove the three screws and detach the pole unit.

7. Insert a flathead screwdriver into the slit at the base of the display enclosure.

Figure 3-30. Detach the Front Cover of the Customer Display

8. Detach the front cover of the customer display.
9. Remove the four screws and unplug the connector in order to detach the display board.

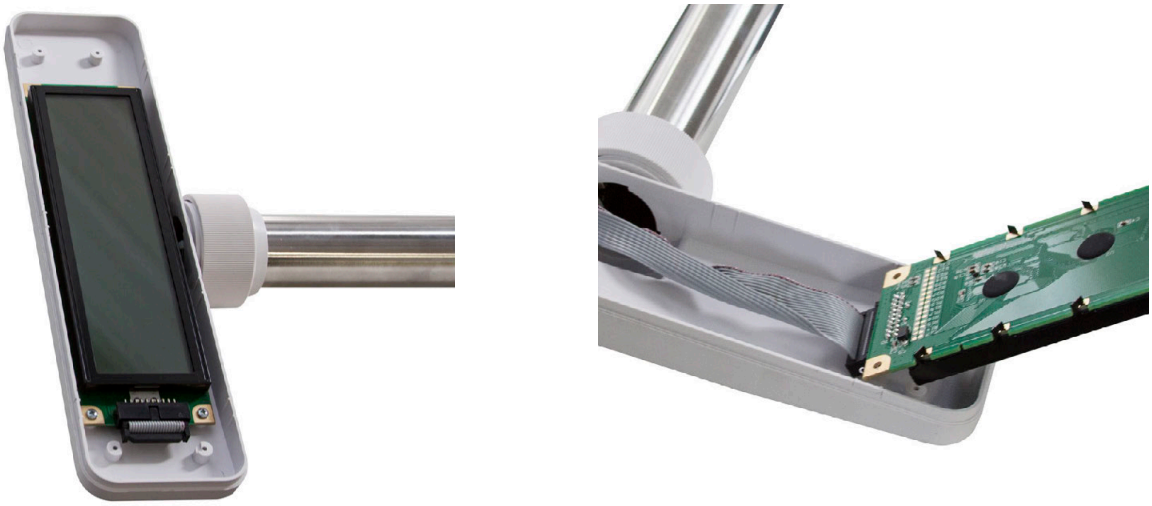


Figure 3-31. Detach the Display Board

Note ***Reverse this procedure for assembly.***

4.0 Setup Mode

4.1 Enter/Exit Setup Mode

Enter ***6000*** and press the **Mode** key to enter the Setup mode menu. To exit the Setup mode, press the **Mode** key.

Some Setup mode functions are restricted to authorized service personnel. Enter the service password **495344** and press **PLU** to access all Setup mode steps. All Setup mode steps are available until the scale returns to normal operation mode.

Note ***The default password 6000 can be changed in the Setup menu step B31-Mode Access Code (Section 4.24 on page 79).***

Setup Mode Main Menu Screen

The Setup Mode for this device includes the following parameters:

B01	Machine No. (Comms)*	B11	Cassette*	B22	Price Rounding*
B02	Sales Mode	B12	Label Spec.*	B23	Frequent Shopper*
B03	Password	B13	Label Format*	B26	Country*
B05	Data Storage*	B14	Barcode*	B27	File Save/Load*
B06	Preset Report	B17	Operation Setting*	B28	Data Distribution*
B07	PLU Overwrite	B18	Error Process*	B29	Tax
B08	PLU Initial Data	B20	Traceability*	B31	Mode Code*
B10	Receipt Setting	B21	Dual Currency*		

*Full access to these steps requires the service password.

Use the **Up** and **Down** arrow keys to select a parameter within the Setup menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

Example:

1. From the Setup mode main menu screen, press the **Down** arrow once to scroll to ***B01 MACHINE NO. (COMMS)***.

2. Press **Enter** to enter ***B01 MACHINE NO. (COMMS)***.
3. Press **Enter** to enter the parameter ***B01-01 BASIC***.

4. Press the **Right** arrow to view the available options from 1:ALONE to 3:SAT.

To change the current setting, press the numeric key, example 3, then press **Enter** to select 3:SAT.

5. Press **Mode** to return to the main step ***B01 MACHINE NO. (COMMS)***.
6. Exit the Setup mode by pressing **Mode**.

4.2 B01-Machine Number

Specify stand alone, master or satellite operation. Configure Ethernet and WiFi communication settings.

Parameter	Display	Description	Choices
B01-01 Basic (See Section 4.2.1 on page 50 for details on Master and Satellite)	B01-01-01 Machine Set	Specify scale configuration.	**1: Alone** 2: Master 3: Satellite
	B01-01-02 Communication	Execute online setup. Satellite only. If there is a line malfunction, place communication temporarily offline to operate independently without a transmission connection to the master.	1: Offline **2: Online**
	B01-01-03 PLU Reference	Specify if PLUs are called from the Master scale or the satellite scale's memory. Satellite only.	**1: Local** 2: Master
	B01-01-04 Machine Number	Machine Number	**1**-99
	B01-01-05 Network Number	Network Number	--
	B01-01-06 Master Port Number	Master machine port number. Specify the port number for socket transmission.	**55101**
	B01-01-07 Satellite Port Number	Satellite machine port number. Specify the port number for socket transmission.	**55102**
	B01-01-08 Master IP Address	Enter IP address of master scale. Specify the master machine IP address when the scale is configured as a satellite. Execute PING to test connection to master scale.	--
	B01-01-09 PLU Sync	Synchronization switch for product master's satellite. If YES, it will automatically send to the satellite when the product master is updated by the master machine.	1: Yes **2: No**
	B01-03-08 PING to Master	This step only displays here when the scale is configured as a satellite. Press the **Zero** key to execute the PING in order to test the connection to the Master Scale. A long beep = success. Five short beeps = failure.	--
B01-02 IP Addr	B01-02-01 IP Address	Enter the IP address of the scale. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-02-02 Subnet Mask	Enter the subnet mask of the scale. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-02-03 Default Gateway	Enter the gateway address of the scale. Enter the full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-02-04 MAC Address	View the CPU board's MAC Address. Notes: 1. Enter 495344, **PLU** to enable this step. 2. Use for MAC Address filtering wireless security.	00:30:16:**:**:.**
	B01-02-08 DHCP	Enables the automatic assignment of the IP address, subnet and gateway address from a DHCP server.	**1: No** 2: Yes
	B01-02-09 Hostname	Specifies a hostname (Option 12) to allow the DHCP server to identify the Uni-3 scale (optional).	--
	B01-02-10 DHCP ID Option	Specifies the Client-Identifier (Option 61) which is added in the DHCP Discover message.	**1: None** 2: H-Name 3: 0+H-Name
	B01-02-11 Update Address	Press the **Zero** key to request an IP address, subnet and gateway address from the DHCP server.	--
	B01-03-08 PING to PC	Press the **Zero** key to execute the PING in order to test the connection to the PC. A long beep = success. Five short beeps = failure.	--

Table 4-1. B01 Machine Number Parameters

Parameter	Display	Description	Choices
B01-03 PC COM	B01-03-01 PC IP Address	Enter target address when executing a PING. Enter full 12-digit number including leading zeros. Do not enter decimal points.	***.***.***.***
	B01-03-02 Port No	PC port number used for communication with SLP.	**8071**
	B01-03-03 COM Check Period	Automatic communication (ping) check interval (seconds). 600 recommended. A value of zero (0) disables the Com Check.	30-9999 Seconds (**0**)
	B01-03-04 COM Check Time Out	Communication check: time out time. ***Do not change.***	**2** Seconds
	B01-03-05 FTP User	Enter user name for FTP transmission. Press **Edit** and enter character string edit.	--
	B01-03-06 FTP Pass	Enter password (more than 8 characters) for FTP transmission. Press **Edit** and enter character string edit.	--
	B01-03-08 PING to PC	Press the **Zero** key to execute the PING in order to test the connection to the PC. A long beep = success. Five short beeps = failure.	--
B01-04 WiFi	B01-04-01 Security	Specify encryption mode for wireless transmission. Note ***If the wireless network is using dual encryption, select the encryption broadcast on the 2.4 GHz frequency. The Uni-3 WiPort wireless bridge does not support 5 GHz.***	**1: NONE** 2: WEP64 3: WEP128 4: WEP64 Shared Key 5: WEP128 Shared Key 6: WPA PSK TKIP 7: WPA PSK CCMP (AES) 8: WPA2 PSK TKIP 9: WPA2 PSK CCMP (AES)
	B01-04-02 Key Type	Specify WEP key. Specify character input or numerical input. ***This menu is not displayed when 1: NONE is selected in B01-04-01.***	1: HEX 2: ASCII 3: Passphrase
	B01-04-03 SSID (Wireless Network)	Enter the SSID using the text edit mode. The network name is case sensitive.	--
	B01-04-04 WEP Key Index	Specify WEP key index. Note: This step (B01-04-04) is only displayed when the encryption type is WEP.	Select 1-4
	B01-04-05 Encryption Key	Enter the encryption key using the text edit mode. The encryption key is case sensitive.	--

Table 4-1. B01 Machine Number Parameters (Continued)

4.2.1 Connect Master and Satellite Scales

- To use as a stand alone, set ***Machine Set (B01-01-01)*** to ***1: Alone***.
- To connect the master and satellite, set ***Machine Set (B01-01-01)*** to ***2: Master***.
- To use as a Satellite scale, set ***Machine Set (B01-01-01)*** to ***3: Satellite***.

When operating as Master-Satellite, set up an individual IP ADDRESS for each scale using ***IP Address*** (***B01-02-01)***. Also set the satellite scale with the master machine's IP ADDRESS to allow communication using ***Master IP Address (B01-01-08)***.

4.3 B02-Sales Mode

Specify how the scale will operate and how labels are printed.

Parameter	Display	Description	Choices
B02-01 Sales Mode	SLS MD	Select sales mode. Use modes 1 and 2 for typical supermarket installations. Use modes 3-6 for cash register installations.	1. NO OPERATOR (default) Issue labels using the **Print** key. 2. WITH OPERATOR Issue labels using **Operator** keys. 3. CR EACH SUBTOTAL When executing CR with labels, issue label for each individual item and issue statement label when settling accounts 4. CR SUBTOTAL ONLY Issue label only when settling accounts or issue receipt 6. CR FIXED OPERATOR Sales mode for fixed operator

Table 4-2. B02 Sales Mode Parameters

4.4 B03-Password

Set a password and specify which open menu steps are protected.
It is strongly recommended all setup menu items (40xx) be protected.

Parameter	Display	Description	Choices
B03-01 Password	*PASSWORD 000000 [ZERO]	Specifies the password used for all the items listed in Table 4-4. Enter a password, then press the **Zero** key. If it is less than 6-digits, enter leading zeros (e.g. 001234). To clear the password, enter 000000.	--

Table 4-3. B03 Password Parameters

Example: B03-2010

Use the arrow keys to select a menu in which the password set in B03-01 is used. Press **1** for **Use** (to require a password) or **2** for **No Use**, (when a password is not required) followed by the **Enter** key.

Note ***Some menus are not displayed depending on the setting.***

1002	TTL ADJ (S06)
1008	POS FUNC (S07)

2001	SLS D TTL (F01)
2002	SLS W TTL (F02)
2003	SLS C TTL (F03)
2005	P D TTL (F05)
2006	P W TTL (F06)
2007	P C TTL (F07)
2009	PRST REP (F09)
2010	TTL CLR (F12)
2015	POS REP (F10)
2016	DRAW REP (F11)

3001	PLU (P01)
3002	CAMPAIGN (P02)
3003	STORE (P06)
3004	PRST KEY (P04)
3005	AD MSG (P05)
3006	OPERATORS (P03)
3007	NUTRITION (P10)
3008	XTRA MSG1 (P11)
3009	XTRA MSG2 (P12)
3010	XTRA MSG3 (P13)
3011	COUPON MSG (P14)
3012	DEPT (P07)
3013	GROUP (P08)
3014	POP MSG (P15)
3015	CHK LBL (P37)
3018	LOOKUP TBL (P19)
3019	COOK TIME (P09)

3020	FREEMSG01 (P22)
3021	FREEMSG02 (P23)
3022	FREEMSG03 (P24)
3023	FREEMSG04 (P25)
3024	FREEMSG05 (P26)
3025	FREEMSG06 (P27)
3026	FREEMSG07 (P28)
3027	FREEMSG08 (P29)
3028	FREEMSG09 (P30)
3029	FREEMSG10 (P31)
3030	FREEMSG11 (P32)
3031	FREEMSG12 (P33)
3032	FREEMSG13 (P34)
3033	FREEMSG14 (P35)
3034	FREEMSG15 (P36)
3035	F/P SYM (P21)
3039	STMPPRICE (P38)

4001	SLS MODE (B02)
4002	M/C No. (B01)
4003	PASSWORD (B03)
4005	DATA STOR. (B05)
4006	PLU OVR (B07)
4007	PLU IDATA (B08)
4021	RCPT SET (B10)
4026	PRST REP. (B06)
4029	TAX (B29)

5001	DATE TIME (C01)
5003	DISP.CHK (C03)
5005	FIRM DETL (C05)

Table 4-4. B03 Password Menu Options

4.5 B05-Data Storage

Configure settings to store total data for standard operation and transactions (CR mode).

Parameter	Display	Description	Choices
B05-01 Total Add	B05-01-01 Daily Total	Select if the Daily Total accumulator is enabled.	1: NON ADD **2: ADD**
	B05-01-02 Weekly Total	Select if the Weekly Total accumulator is enabled.	
	B05-01-03 Cumulative Total	Select if the Cumulative Total accumulator is enabled.	
	B05-01-04 Time Total	Select if the Hourly Total accumulator is enabled.	
	B05-01-05 Operator Total	Select if the Operator Total accumulator is enabled.	
	B05-01-09 CR Production Total	Select if the CR Production Total accumulator is enabled.	
	B05-01-10 Rewrap Total	Select if the Rewrap Total accumulator is enabled.	
	B05-01-11 POS Function Total	Select if the POS Total accumulator is enabled.	
B05-02 Total Proc.	B05-02-01 Fix Price Add Weight	Select whether to add the fixed weight value or the actual weight.	**1: Fix Weight** 2: Real Weight
	B05-02-02 Item Count Select	Select whether to add the number of items as one item per label, or add the quantity as the number of items.	**1: Multiply** 2: Details
	B05-02-05 Summary Receipt	Reduce the length of the CR receipt by listing the duplicate items on one line.	**1: No** 2: Yes
B05-03 Transaction	B05-03-01 Product Transaction	Select if Production Transaction totals are accumulated.	**1: NON ADD** 2: ADD
	B05-03-02 Sales Transaction	Select if Sales Transaction totals are accumulated.	**1: NON ADD** 2: ADD
	B05-03-03 Sales Transaction Storage Period	Designate the number of days to save transaction data before over-writing.	**0**-99
	B05-03-04 Transaction Memory Full	Select how to process transaction data when the memory is full.	**1: STOP** 2: OVERWRITE
	B05-03-05 POS Report	Select if POS report data is accumulated.	**1: NON ADD** 2: ADD
	B05-03-06 Drawer Report	Select if Cash Drawer data is accumulated.	**1: NON ADD** 2: ADD
B05-04 Storage	B05-04-01 Transaction	Designate the external media used to store individual transaction data. USB is the default and only option.	**3: USB**

Table 4-5. B05 Data Storage Parameters

Note ***The service password 495344 is required to access B05-02, B05-03 and B05-04.***

4.6 B06-Preset Report

Select which reports are printed when step F09 Preset Report in the F00 Total menu is executed.

Parameter	Display	Display Explanation	Choices
B06-01 Preset Report (Daily)	B06-01-01 P D T TOTAL	Product Daily Total (Total)	**1: NO PRINT** 2: PRINT
	B06-01-02 P D T HOUR	Product Daily Total (Hour)	
	B06-01-03 P D T DEPT	Product Daily Total (Department)	
	B06-01-04 P D T GROUP	Product Daily Total (Group)	
	B06-01-05 P D T OPER	Product Daily Total (Operator)	
	B06-01-06 PLU ABC-1	Product Daily Total PLU (ABC)	
	B06-01-07 PLU ABC-2	Product Daily Total Price (ABC)	
	B06-01-08 PLU ABC-3	Product Daily Total Weight (ABC)	
	B06-01-09 PLU ABC-4	Product Daily Total Pieces (ABC)	
	B06-01-10 PLU Z-2	Product Daily Total Price (Z)	
	B06-01-11 PLU Z-3	Product Daily Total Weight (Z)	
	B06-01-12 PLU Z-4	Product Daily Total Pieces (Z)	
	B06-01-13 DEPT ABC-1	Product Daily Total PLU (ABC) (DEPARTMENT)	
	B06-01-14 DEPT ABC-2	Product Daily Total Price (ABC) (DEPARTMENT)	
	B06-01-15 DEPT ABC-3	Product Daily Total Weight (ABC) (DEPARTMENT)	
	B06-01-16 DEPT ABC-4	Product Daily Total Pieces (ABC) (DEPARTMENT)	
	B06-01-17 DEPT Z-2	Product Daily Total Price (Z) (DEPARTMENT)	
	B06-01-18 DEPT Z-3	Product Daily Total Weight (Z) (DEPARTMENT)	
	B06-01-19 DEPT Z-4	Product Daily Total Pieces (Z) (DEPARTMENT)	
	B06-01-20 GROUP ABC-1	Product Daily Total PLU (ABC) (GROUP)	
	B06-01-21 GROUP ABC-2	Product Daily Total Price (ABC) (GROUP)	
	B06-01-22 GROUP ABC-3	Product Daily Total Weight (ABC) (GROUP)	
	B06-01-23 GROUP ABC-4	Product Daily Total Pieces (ABC) (GROUP)	
	B06-01-24 GROUP Z-2	Product Daily Total Price (Z) (GROUP)	
	B06-01-25 GROUP Z-3	Product Daily Total Weight (Z) (GROUP)	
	B06-01-26 GROUP Z-4	Product Daily Total Pieces (Z) (GROUP)	
	B06-01-27 P D T ACC1	Daily Total (ACC1)	
	B06-01-28 P D T ACC2	Daily Total (ACC2)	
	B06-01-29 P D T ACC3	Daily Total (ACC3)	
	B06-01-30 P D T REWRP	Daily Total (REWRAP)	
	B06-01-31 P D T PROMO	Daily Total (PROMOTION)	
B06-02 Preset Report (Weekly)	B06-02-01 P W T TOTAL	Product Weekly Total (Week)	**1: NO PRINT** 2: PRINT
	B06-02-02 P W T HOUR	Product Weekly Total (Hour)	

Table 4-6. B06 Preset Report Parameters

Parameter	Display	Display Explanation	Choices
B06-03 Preset Report (Cumulative)	B06-03-01 *P C T TOTAL	Product Cumulative Total (Total)	**1: NO PRINT** 2: PRINT
	B06-03-02 *P C T HOUR	Product Cumulative Total (Hour)	
	B06-03-03 *P C T DEPT	Product Cumulative Total (Department)	
	B06-03-04 *P C T GROUP	Product Cumulative Total (Group)	
	B06-03-05 *P C T OPER	Product Cumulative Total (Operator)	
	B06-03-06 *PLU ABC-1	Product Cumulative Total PLU (ABC)	
	B06-03-07 *PLU ABC-2	Product Cumulative Total Price (ABC)	
	B06-03-08 *PLU ABC-3	Product Cumulative Total Weight (ABC)	
	B06-03-09 *PLU ABC-4	Product Cumulative Total Pieces (ABC)	
	B06-03-10 *PLU Z-2	Product Cumulative Total Price (Z)	
	B06-03-11 *PLU Z-3	Product Cumulative Total Weight (Z)	
	B06-03-12 *PLU Z-4	Product Cumulative Total Pieces (Z)	
	B06-03-13 *DEPT ABC-1	Product Cumulative Total PLU (ABC) (DEPT)	
	B06-03-14 *DEPT ABC-2	Product Cumulative Total Price (ABC) (DEPT)	
	B06-03-15 *DEPT ABC-3	Product Cumulative Total Weight (ABC) (DEPT)	
	B06-03-16 *DEPT ABC-4	Product Cumulative Total Pieces (ABC) (DEPT)	
	B06-03-17 *DEPT Z-2	Product Cumulative Total Price (Z) (DEPT)	
	B06-03-18 *DEPT Z-3	Product Cumulative Total Weight (Z) (DEPT)	
	B06-03-19 *DEPT Z-4	Product Cumulative Total Pieces (Z) (DEPT)	
	B06-03-20 *GROUP ABC-1	Product Cumulative Total PLU (ABC) (GROUP)	
	B06-03-21 *GROUP ABC-2	Product Cumulative Total Price (ABC) (GROUP)	
	B06-03-22 *GROUP ABC-3	Product Cumulative Total Weight (ABC) (GROUP)	
	B06-03-23 *GROUP ABC-4	Product Cumulative Total Pieces (ABC) (GROUP)	
	B06-03-24 *GROUP Z-2	Product Cumulative Total Price (Z) (GROUP)	
	B06-03-25 *GROUP Z-3	Product Cumulative Total Weight (Z) (GROUP)	
	B06-03-26 *GROUP Z-4	Product Cumulative Total Pieces (Z) (GROUP)	

Table 4-6. B06 Preset Report Parameters (Continued)

"ABC" report is sorted highest value to lowest value. "Z" report is sorted lowest value to highest value.

4.7 B07-PLU Overwrite

Specify how temporary changes made by the operator are processed. A selection of “Yes” will overwrite the original setting in the PLU.

Parameter	Display	Description	Choices
B07 PLU Overwrite	B07-01 Unit Price/Fixed Price	Select if a price change is saved.	1: YES **2: NO**
	B07-02 Markdown Mode: M/D Amount	Select if a markdown is saved.	
	B07-03 Unit Type: Quantity	Select if a change of the number of pieces is saved.	
	B07-04 Fixed Weight	Select if a change of fixed bakery weight is saved.	
	B07-05 Pack Date/Time	Select if a pack date or pack time change is saved.	
	B07-06 Sell By Date/Time	Select if a sell by date or sell by time change is saved.	
	B07-08 Tare	Select if a tare weight change is saved.	
	B07-09 — B07-11 Extra Message 1-3	Select if a different extra message is linked to the PLU.	
	B07-13 Coupon Message	Select if a different coupon message is linked to the PLU.	
	B07-14 POP Message	Select if a different POP message is linked to the PLU.	
	B07-15 — B07-29 Free Message 1-15	Select if a different free message is linked to the PLU.	
	B07-30 — B07-32 Image 1-3	Select if a different logo image is linked to the PLU.	
	B07-34 SH. Image Flag	Select if a change to the safe handling image print status is saved.	
	B07-35 First Label Format No.	Select if a label format change is saved.	
	B07-36 Second Label Format No.	Select if a second label format change is saved.	
	B07-38 Target	Select if a different target value is assigned to the PLU.	
	B07-43 Use by Date	Select if a use by date change is saved.	

Table 4-7. B07 PLU Overwrite Parameters

4.8 B08-PLU Initial Data

Specify the default values for any new PLU. When a new PLU is programmed the initial data automatically populates the fields. This speeds up PLU programming by setting the customer's standard values. The initial data values can be changed as needed during PLU programming.

Parameter	Display	Description	Choices
B08-01 Sales 1	B08-01-01 Sales Mode	Enter the mode number. Press **Enter** to select a desired sales mode.	**0: WEIGHT** 1: FIX PRICE 2: WGT+F.P. 3: CASE WGT
	B08-01-02 Markdown Mode	Enter the mode number. Press **Enter** to select a desired markdown mode.	**0: NORMAL** 1: SPECIAL 2: -$ 3: -% 4: SPEC. U/P 5: U/P -$ 6: U/P -%
	B08-01-03 Open Price	Enter the mode number. Press **Enter** to select whether or not to allow an open price system.	**0: YES** 1: NO
	B08-01-04 Unit Price	Enter the unit or fixed price. Press **Enter**.	**0.00** - 999.99
	B08-01-05 Markdown Amount	Not available when B08-01-02 Markdown Mode is set to 0:NORMAL.	**0.0** - 99.9 (%) **0.00** - 999.99 ($)
	B08-01-06 Quantity	Only available when B08-01-01 Sales Mode is set to 1: Fix Price or 2: WGT F/PRI.	**0** - 999
	B08-01-07 Unit Type	Only available when B08-01-01 Sales Mode is set to 1: Fix Price or 2: WGT F/PRI.	**0** - 16
	B08-01-08 Tax	Enter a numeric value. Press **Enter**.	**0** - 9
	B08-01-09 Fixed Weight	Only available when B08-01-01 Sales Mode is set to 1: Fix Price.	**0** - 999
	B08-01-10 Tare Weight	Enter tare weight. Press **Enter**.	**0.000** - 9.990 (lb)
	B08-01-12 % Tare	Enter a percent tare. Only available when B08-01-01 Sales Mode is set to 0: NORMAL or 2: WGT F/PRI.	**0.0** - 50.0
	B08-01-13 Forced Tare	Enter the mode number. Press **Enter** to select whether or not a tare weight is required to print a label.	**0: YES** 1: NO
	B08-01-14 Lower Weight	Enter the lower weight limit. Press **Enter**.	**0.000** - 30.000 (lb)
	B08-01-15 Upper Weight	Enter the upper weight limit. Press **Enter**.	**0.000** - 30.000 (lb)
B08-02 Sales 2	B08-02-06 Point Flag	Enter the mode number. Press **Enter** to select whether or not to use the point flag. Points are not used in the USA. (Same as P01-02-06)	1: ON **0: OFF**
	B08-02-07 Point Type	Enter the mode number. Press **Enter** to select the desired point type. Points are not used in the USA. (Same as P01-02-07)	**0: WGT** 1: PCS
	B08-02-08 Points	Enter a desired number. Press **Enter**. Points are not used in the USA. (Same as P01-02-08)	**0** - 99999
B08-03 Message	B08-03-01 Nutrition Panel	Enter the nutrition message number. Nutrition data are programmed in the P10 Nutrition menu.	**0** - 999999
	B08-03-02 — B08-03-4 Extra Message 1-3	Extra messages programmed in the P11 Extra Message Program Menu.	**0** - 999999
	B08-03-05 Coupon Message	Coupon message programmed in the P14 Coupon Message Program Menu.	**0** - 999999
	B08-03-06 Pop Message	POP message programmed in the P15 POP Message Program Menu.	**0** - 999999
	B08-03-07 Cook Time	Cook time programmed in the P09 Cook Time Program Menu.	**0** - 9999
	B08-03-08 — B08-03-22 Free Message 1-15	Free messages programmed in the P22 Free Message Program Menu.	**0** - 999999
	B08-03-23 Nutrition Text	Nutrition Text is not used in the USA.	**0** - 999999

Table 4-8. B08 PLU Initial Data Parameters

Parameter	Display	Description	Choices
B08-04 Image	B08-04-01 — B08-04-03 Image 1-3	Set the image to print on the label. The label format must be configured to support variable images.	**0** - 999
	B08-04-05 SH. Image	Leave at 0. The Safe Handling Image is specified in the label format.	**0** - 999
	B08-04-06 SH. Image Print	Enter the mode number. Press **Enter** to select whether or not to print the Safe Handling Image.	**1: NO PRINT** 2: PRINT
B08-05 Print	B08-05-01 First Label Format (Manual Print)	Enter the desired format number. Press **Enter**.	**0** - 999
	B08-05-02 Second Label Format	Enter the desired format number. Press **Enter**.	**0** - 999
	B08-05-03 First Label Format (Auto Print)	Enter the desired format number. Press **Enter**.	**0** - 999
	B08-05-04 First Label Print	Enter the mode number. Press **Enter** to select whether or not to print the first label.	**1: YES** 2: NO
	B08-05-05 Second Label Print	Enter the mode number. Press **Enter** to select whether or not to print the second label.	1: YES **2: NO**
B08-06 Date	B08-06-01 Pack Date Print	Enter the mode number. Press **Enter** to select whether or not to print the pack date.	**1: YES** 2: NO
	B08-06-02 Pack Time Print	Enter the mode number. Press **Enter** to select the desired pack time printing method.	**0: NO PRINT** 1: DESIGNATE 2: CLOCK
	B08-06-03 Pack Time Data	Set Pack Time in HH:MM and press **Enter** to confirm. Only available when B08-06-02 is set to 1: DESIGNATE.	HH:MM
	B08-06-04 Sell By Date Print	Enter the mode number. Press **Enter** to select whether or not to print the sell by date.	**1: YES** 2: NO
	B08-06-05 Sell By Time Print	Enter the mode number. Press **Enter** to select the desired sell by time printing method.	**0: NO PRINT** 1: DESIGNATE 2: RELATIVE
	B08-06-06 Sell By Time Data	Enter the designated time or number of minutes and press **Enter**. Data format is based on B08-06-05 Sell By Time Print setting.	**00:00** - 23:59 (Designate) **0** - 1439 (Relative [min])
	B08-06-07 Shelf Life Days	Enter the number of days and press **Enter**.	**0** - 1439 (Relative [min])
	B08-06-08 Use By Date Print	Enter the mode number. Press **Enter** to select whether or not to print the use by date.	1: YES **2: NO**
	B08-06-09 Use By Date Data	Press **Enter** to select whether or not to print the use by date. Availability is based on B08-06-08 Use by Date Print setting.	**0** - 9999
B08-07 Code	B08-07-01 Item Code	Enter an item code. Press **Enter**.	**0** - 99999999
	B08-07-02 Register Code	Enter the register code. Press **Enter**.	**0** - 9999
	B08-07-03 POS Flag	Ability to change data is based on the B08-07-05 POS Reference.	**0** - 99 (02)
	B08-07-04 Barcode	Enter a barcode number. Press **Enter**.	**0** - 99999999999999
	B08-07-05 POS Reference	Enter the mode number. Press **Enter** to select the desired reference method. 0: Use default barcode settings from B14 in the Setup menu. 1: Set the barcode parameters in the PLU.	**0: REFER** 1: PLU FILE
	B08-07-06 Barcode Type	Enter the desired bar code type number. Press **Enter**.	**0: REFER** 1: EAN/UPC 13 2: EAN/UPC 8 3: 10 DIGITS 13 4: 5 DIGITS 8 5: GS1 6: GS1 ST 7: GS1 STO 8: GS1 LIMITED 9: GS1 EXPANDED 10: ITF 11: CODE 128 12: EAN 128

Table 4-8. B08 PLU Initial Data Parameters (Continued)

Parameter	Display	Description	Choices
B08-07 Code	B08-07-07 POS Format	Enter desired barcode format number. Press **Enter**. If left at 0, the format specified in the barcode step B14-02-05 or B14-02-06 is used, Section 4.13 on page 63. C: Product Code F: Flag I: PLU Number O: Operator P: Price Q: Quantity of Pieces R: Receipt Number S: Scale Number W: Weight WQ: Weight or Quantity (based on sales mode) d: Check Digit p: Price Check Digit w: Weight Check Digit wq: Weight or Quantity Check Digit (based on sales mode) 0: Fixed Zero /10: Divide by 10 Note ***10: F2C6P4d [FFCCCCCCPPPP(c/d)]*** ***FF value changes depending on the Price value:*** ***22: Price more than 99999*** ***21: Price more than 9999*** ***20: All other prices*** ***11: F2C6W4d (FFCCCCCCWWWW(c/d)]*** ***FF value changes depending on the Weight value:*** ***25: Price more than 99999*** ***24: Price more than 9999*** ***23: All other weights***	**0: REFER** 1: F2C5pP4d 2: F2C6P4d 3: F1C6pP4d 4: F2C5P5d 5: F1C6P5d 6: F2C4pP5d 7: F2C6W4d 8: F1C6W5d 9: F1C5I6d 10: F2C6P4d 11: F2C6W4d 12: F2C4wW5d 15: F2C50P4d 16: F2C5W5d 17: F2C5P5/10d 18: F2C5pP4/10d 19: F2C5wW4d 20: F1C5P6d 21: F2C4P6d 22: F1C3W4P4d 23: F2C4Q2P4d 24: F1I6P5d 25: F2I6P4d 26: F1C4P7d 27: F1I6P5/10d 28: F2I6P4/10d 29: F1C6P5/10d 30: F2C6P4/10d 31: F2C5Q5d 34: F2S1R3pP5d 35: F2S1C3pP5d 36: F1O2C4P5d 37: F2C5pP4d 38: F2O2C3P5d 39: F2O2C3W5d 40: F2C5P5d 41: F2C4wqWQ5d 43: F2C5WQ5d 44: F1C7WQ4d 45: F1C5W6d (wt.) F1C5Q3000d (f.p.) 46: F2C5W5d (wt.) F2C5Q2000d (f.p.)
	B08-07-08 Trace Enable	Enter the mode number. Press **Enter** to select whether or not to enable traceability data.	1: YES **2: NO**
	B08-07-10 Department Number	Enter desired department number. Press **Enter**.	0 - 9 (**3**)
	B08-07-11 Group Number	Enter desired group number. Press **Enter**.	0 - 99 (**45**)
	B08-07-12 FMI AI	--	**0** - 19
	B08-07-13 FMI NoAI	--	**0** - 21
B08-08 Link	B08-08-01 Link PLU No.	Not supported.	**0**

Table 4-8. B08 PLU Initial Data Parameters (Continued)

4.9 B10-Receipt Setting

Specify the receipt setting when the Uni-3 is configured for CR mode.

Parameter	Display	Description	Choices
B10-01 Title	B10-01-01 Header Text	Enter header text to print on receipt.	
	B10-01-02 Footer Text	Enter footer text to print on receipt.	
	B10-01-03 Header Logo	Specify logo image number for header.	0 - 999 (**8**)
	B10-01-04 Footer Logo	Specify logo image number for footer.	0 - 999 (**11**)
B10-02 Barcode	B10-02-01 POS Flag	Set the flag value printed at the beginning of the receipt barcode.	00-99 (**02**)
	B10-02-02 Receipt Code	Set the receipt barcode value.	**0** - 99999999
	B10-02-03 POS Minus Flag	Set the flag value printed at the beginning of the receipt barcode when the total price is negative.	00-99 (**03**)
	B10-02-04 POS Code	Set the receipt barcode format.	**1: EAN/UPC 13** 2: EAN/UPC 8 3: 10 DIGITS 13 4: 5 DIGITS 8 5: GS1 6: GS1 ST 7: GS1 STO 8: GS1 LIMITED 9: GS1 EXPANDED 10: ITF 11: CODE 128 12: EAN 128
	B10-02-05 Format AI (EAN 128)	Specify the barcode format when using GS1 Expanded. GTN: GS1 P: Price W: Weight SB: Sell by Date P8: 8-digit Price G: Gross Weight GTNPOS: GS1 (POS) Note ***An extra 0 is added at the front of the standard EAN13 barcode for a total of 14 digits. (GTNPOS only)***	**1: GTN+P+W** 2: GTN+P+W+SB 3: GTN+W+P 4: GTN+W+SB+P 5: GTN+P 6: GTN+W 7: GTN+W+SB 8: GTN+P+SB 9: GTN+P8 10: GTN+W+P8+SB 11: N/A 12: GTNPOS 13: GTNPOS+SB 14: GTNPOS+W+SB 15: GTNPOS+W+G+SB 16: GTNPOS+SB+P

Table 4-9. B10 Receipt Setting Parameters

Parameter	Display	Description	Choices
B10-02 Barcode	B10-02-06 Format NonAI (Code 128)	Specify the barcode format when selecting code 128. C: Product Code F: Flag P: Price Q: Quantity of Pieces W: Weight U: Unit Price D: Day M: Month Y: Year d: Check Digit	**1: C14** 2: C13d 3: F2C5P5WQ5d 4: F1C5P6WQ5d 5: F1C4P7WQ5d 6: C7U7W6 7: C7U700100d 8: F2CRP6W5d 9: F2C6P6W5d 10: F1C6WQ5P5d 11: F2C5U5W5d 12: F2C5U5WQ5d 13: D2M2Y2C6W5d 14: F2C5W5P5d 15: F1C5P6W5d 16: F1C5P6WQ5d 17: D2M2Y2C8W5d 18: C7WQ5P7d 19: C7P8WQ5
	B10-02-07 POS FMT	Specify the barcode format when selecting EAN/UPC 13. C: Product Code F: Flag I: PLU Number O: Operator P: Price Q: Quantity of Pieces R: Receipt Number S: Scale Number W: Weight WQ: Weight or Quantity (based on sales mode) d: Check Digit p: Price Check Digit w: Weight Check Digit wq: Weight or Quantity Check Digit (based on sales mode) 0: Fixed Zero /10: Divide by 10 Note ***10: F2C6P4d [FFCCCCCCPPPP(c/d)]*** ***FF value changes depending on the Price value:*** ***22: Price more than 99999*** ***21: Price more than 9999*** ***20: All other prices*** ***11: F2C6W4d (FFCCCCCCWWWW(c/d)]*** ***FF value changes depending on the Weight value:*** ***25: Price more than 99999*** ***24: Price more than 9999*** ***23: All other weights***	**1: F2C5pP4d** 2: F2C6P4d 3: F1C6pP4d 4: F2C5P5d 5: F1C6P5d 6: F2C4pP5d 7: F2C6W4d 8: F1C6W5d 9: F1C5I6d 10: F2C6P4d 11: F2C6W4d 12: F2C4wW5d 15: F2C50P4d 16: F2C5W5d 17: F2C5P5/10d 18: F2C5pP4/10d 19: F2C5wW4d 20: F1C5P6d 21: F2C4P6d 22: F1C3W4P4d 23: F2C4Q2P4d 24: F1I6P5d 25: F2I6P4d 26: F1C4P7d 27: F1I6P5/10d 28: F2I6P4/10d 29: F1C6P5/10d 30: F2C6P4/10d 31: F2C5Q5d 34: F2S1R3pP5d 35: F2S1C3pP5d 36: F1O2C4P5d 37: F2C5pP4d 38: F2O2C3P5d 39: F2O2C3W5d 40: F2C5P5d 41: F2C4wqWQ5d 43: F2C5WQ5d 44: F1C7WQ4d 45: F1C5W6d (wt.) F1C5Q3000d (f.p.) 46: F2C5W5d (wt.) F2C5Q2000d (f.p.)

Table 4-9. B10 Receipt Setting Parameters (Continued)

Parameter	Display	Description	Choices
B10-03 Receipt Number	B10-03-01 Receipt Start Number	Specify the starting receipt number. When the receipt number is reset, it will return to this number.	**1** - 999999
	B10-03-02 Receipt End Number	Specify the maximum receipt number.	1 - **999999**
	B10-03-03 Daily Auto Reset	Specify if the receipt number will automatically reset at the beginning of each day.	**1: NO** 2: YES

Table 4-9. B10 Receipt Setting Parameters (Continued)

Note ***The service password 495344 is required to access B10-02 and B10-03.***

4.10 B11-Cassette

Configure the label cassette settings for the default label format, label type, printing mode, etc. If multiple cassettes are configured use preset function key 435: Cassette Switch to change to a different cassette and load labels as needed. See Section 8.5 on page 103. The service password is required to access this feature.

Display	Description	Choices
B11-01 Cassette Number	Select the cassette to be configured. Enter the number and press the **PLU** key.	**01**-07
B11-02 Printer	Select the printer to be configured.	**1** (fixed)
B11-03 PLU Number	Select a PLU number for test printing.	**0** - 99999999
B11-04 Format Number	Set the default label format number assigned to the cassette. Default label formats: 1. 44 mm standard 2. 85 mm safe handling 3. 59 mm safe handling (pre-print) 5. 59 mm extended text 6. 84 mm coupon 7. 146 mm landscape bakery w/ nutrition 11. 60 mm safe handling (pre-print)	**001** - 999
B11-05 Label Specification	Select the label specification for the cassette. Label specifications are configured in menu step B12 (Section 4.11 on page 62).	**01** - 99
B11-06 Reserve	Not used.	--
B11-07 Peel Mode	Select the label printing style. 0: Labels print and peel one at a time with the backing paper wound on the take up spool 1: Labels print and remain on the backing paper	**0: IND. LBL** 1: W/BACKN
B11-08 Print Mode	Select the printing method. 0: Press the **Print** key to issue labels 1: Labels print automatically when the weight stabilizes	0: **MANUAL** 1: AUTO
B11-09 Label Type	Select the type of label 0: Die-cut labels 1: Continuous strip label	**0: DIE-CUT** 1: CONTI
B11-10 Store Print	Select store name and address printing. 0: Do not print 1: Print	0: DISABLE **1: ENABLE**
B11-11 Title Print	Select if the titles that identify the numeric values print. 0: Do not print 1: Print	0: DISABLE **1: ENABLE**
B11-12 Over Length Flag	Select the response if the PLU description is too large. 0: Do not print the description and display an error 1: Print as much of the description as possible and ignore the rest	**0: ERRBLNK** 1: TO MAX
B11-13 Format Number 2	Set the default second label format number.	**000** - 999

Table 4-10. B11 Cassette Parameters

Display	Description	Choices
B11-14 Subtotal Format	Set the default subtotal label format number. If left at 000, the default subtotal format 78 is used.	**000** - 999
B11-15 Sales Mode	Set the sales mode for the cassette. See Section 4.3 on page 51 for more information.	**0: NO OPE** 1: OPE 2: CR EACH 3: CR SUB 5: CR FIX
B11-16 Format Number Auto	Set the label format number for auto print mode. If left at 000, the default label format set in step B11-04 is used.	**000** - 999
B11-17 PLU Name	Select if the PLU description height can change when B11-09 is set as continuous. 0: Fixed height 1: Expand the height as needed	**0: FIXED** 1: VARIABL
B11-18–B11-20 Extra Message 1-3	Select if the extra message height can change when B11-09 is set as continuous. 0: Fixed height 1: Expand the height as needed	**0: FIXED** 1: VARIABL
B11-21 SH. Image	Select if the safe handling image space can contract if the image does not print when B11-09 is set as continuous. 0: Fixed height 1: Reduce the height as needed 2: Auto – The label expands automatically with no need to set the Height value in step B11-25.	**0: FIXED** 1: VARIABL 2: AUTO
B11-22—B11-24 Image 1-3	Select if the logo image space can contract if the image does not print when B11-09 is set as continuous. 0: Fixed height 1: Reduce the height as needed 2: Auto – The label expands automatically with no need to set the Height value in steps B11-26 to B11-28.	**0: FIXED** 1: VARIABL 2: AUTO
B11-25 Height SH. Image	Set the value so a continuous label will compress when the safe handling image is not printed. The value is calculated based on the height of the SH image.	**0000**
B11-26–B11-28 Height Image 1-3	Set the value so a continuous label will compress when the logo image is not printed. The value is calculated based on the height of the logo image.	**0000**
B11-29 Reserve	Not used.	**0000**

Table 4-10. B11 Cassette Parameters (Continued)

4.11 B12-Label Specifications

Create and configure a Label Specification for any special label parameters such as print direction, print speed, etc. The Label Specification is linked to a Cassette in step B11-05. The service password is required to access this feature.

Display	Description	Choices
B12-01 Label Number	Label specification number.	**01** - 99
B12-02 Label Type	Select the Label Paper type. Note ***130LA is the USA standard, there should be no reason to change the default.***	0: RECEIPT **1: 130LA-1** 3: 150LA-1
B12-03 Back Feed	Select if backfeed is enabled. This allows variable data (other than the store name) to print at the bottom of the label. Do not use backfeed with continuous labels.	**0: NO** 1: YES
B12-04 Sensor Type	Select label sensor control.	0: NO USE **1: LABEL**
B12-05 Print Direction	Set print direction. 0: Label prints in normal direction, bottom first 1: Label prints upside down, top first	**0: STANDARD** 1: REVERSE
B12-06 Feed Length	Set the feed length. The decimal point is not required.	0.0-999.9 (**7.5**)
B12-08 Format Number	Select a label format for test printing.	**001** - 999

Table 4-11. B12 Label Specifications Parameters

Display	Description	Choices
B12-09 PLU Number	Select a PLU number for test printing.	**0** - 99999999
B12-10 Label Width	View the width of the label set in step B12-08.	--
B12-11 Label Length	View the length of the label set in step B12-08.	--
B12-12 Label Gap	Enter the length of the gap between the labels in millimeters. The decimal point is not required.	0.0 - 99.9 (**2.5**)
B12-13 Sensor Distance	Set the sensor distance in millimeters to adjust the label stop position at the peel bar. This will also adjust the printing on the label. Increase the value to stop the label farther out and raise the printing up. The decimal point is not required.	0.0 - 999.9 (**71.0**)
B12-14 Print Density	Set the darkness of the thermal print from 0 (lightest) to 9 (darkest).	0 - 9 (**5**)
B12-15 Peel Sensor	Select if the peel sensor is enabled. During normal operation this setting is unnecessary. If the sensor is faulty, however, it may be disabled until repairs are made.	**0: Use** 1: No Use

Table 4-11. B12 Label Specifications Parameters (Continued)

4.12 B13-Label Format

Custom label formats are created using PC software (SLP-V i-Support or SLP-5 Maintenance Utility) and downloaded to the scale. Support is not available to edit label formats at the scale. The service password is required to access this feature.

Parameter	Display	Description	Choices
B13-01 Basic	B13-01-01 Format Number	Select a label format for editing. Press the **PLU** key.	**001** - 999
	B13-01-02 Width	Set the width of the label format in tenths of a millimeter. Example: 56.0 mm is 560.	300 - **560**
	B13-01-03 Height	Set the length of the label format in tenths of a millimeter. Example: 44.0 is 440.	300 - 2000
	B13-01-04 Default PLU	Select a PLU number for test printing.	0 - 999999 (**1**)
B13-02 Unit	B13-02-01 Unit Number	Select a unit (print field) for editing. Press the **PLU** key.	--
	B13-02-02 X-Axis	Set the X-axis (right-left) position of the unit in tenths of a millimeter. A value of 0 is the left edge of the label.	0 - 560
	B13-02-03 Y-Axis	Set the Y-axis (up-down) position of the unit in tenths of a millimeter. A value of 0 is the bottom edge of the label.	0 - 2000

Table 4-12. B13 Label Format Parameters

4.13 B14-Barcode

Specify the default barcode setting to match the customer's POS system. The service password is required to access this feature.

Parameter	Display	Description	Choices
B14-01 POS Flag	B14-01-01 EAN/UPC-13	Set the flag value printed at the beginning of the EAN/UPC-13 barcode.	00-99 (**02**)
	B14-01-02 EAN/UPC-8	Set the flag value printed at the beginning of the EAN/UPC-8 barcode.	0-9 (**2**)
	B14-01-03 10-DIG.-13	Set the flag value printed at the beginning of the 10 Digit 13 barcode.	**00**-99
	B14-01-04 5-DIG.-8	Set the flag value printed at the beginning of the 5 Digit 8 barcode.	**00**-99
	B14-01-05 Subtotal POS	Set the flag value printed at the beginning of the subtotal barcode.	00-99 (**02**)

Table 4-13. B14 Barcode Parameters

Parameter	Display	Description	Choices
B14-02 POS Code	B14-02-01 Type	Specify the default barcode format.	**1: EAN/UPC 13** 2: EAN/UPC 8 3: 10 DIGITS 13 4: 5 DIGITS 8 5: GS1 6: GS1 ST 7: GS1 STO 8: GS1 LIMITED 9: GS1 EXPANDED 10: ITF 11: CODE 128 12: EAN 128
B14-02 POS Code	B14-02-02 OCR	Specify the format of the human-readable (OCR) numbers printed under the barcode. The bars and spaces in the barcode are not affected. 1: EAN13 - print all 13 digits in the standard UPC barcode 2: UPC12 - print 12 digits in the standard UPC barcode excluding the leading flag digit.	1: EAN 13 **2: UPC 12**
	B14-02-03 Format AI (EAN 128)	Specify the barcode format when using GS1 expanded. GTN: GS1 P: Price W: Weight SB: Sell by Date P8: 8-digit Price G: Gross Weight GTNPOS: GS1 (POS) Note ***An extra 0 is added at the front of the standard EAN13 barcode for a total of 14 digits. (GNTPOS: GS1 (POS) only)***	**1: GTN+P+W** 2: GTN+P+W+SB 3: GTN+W+P 4: GTN+W+SB+P 5: GTN+P 6: GTN+W 7: GTN+W+SB 8: GTN+P+SB 9: GTN+P8 10: GTN+W+P8+SB 11: GTN+P+W+G+SB 12: GTNPOS 13: GTNPOS+SB 14: GTNPOS+W+SB 15: GTNPOS+W+G+SB 16: GTNPOS+SB+P 17: GTIN+G+UP 18: GTIN+G 19: GTIN
	B14-02-04 Format NonAI (Code 128)	Specify the barcode format when selecting code 128. C: Product Code D: Day F: Flag M: Month P: Price Q: Quantity of Pieces U: Unit Price W: Weight WQ: Weight or Quantity of Pieces (based on sales mode) Y: Year d: Check Digit 0: Fixed Zero	**1: C14** 2: C13d 3: F2C5P5WQ5d 4: F1C5P6WQ5d 5: F1C4P7WQ5d 6: C7U7W6 7: C7U700100d 8: F2CRP6W5d 9: F2C6P6W5d 10: F1C6WQ5P5d 11: F2C5U5W5d 12: F2C5U5WQ5d 13: D2M2Y2C6W5d 14: F2C5W5P5d 15: F1C5P6W5d 16: F1C5P6WQ5d 17: D2M2Y2C8W5d 18: C7WQ5P7d 19: C7P8WQ5 20: F2C5P6W4d 21: F2C5U5W40d

Table 4-13. B14 Barcode Parameters (Continued)

Parameter	Display	Description	Choices
B14-02 POS CODE	B14-02-05 POS Weight	Specify the default barcode format for weighed items when 1:EAN/UPC 13 is set in step B14-02-01.	**1: F2C5pP4d** 2: F2C6P4d 3: F1C6pP4d 4: F2C5P5d 5: F1C6P5d 6: F2C4pP5d 7: F2C6W4d 8: F1C6W5d 9: F1C5I6d 10: F2C6P4d 11: F2C6W4d 12: F2C4wW5d 15: F2C50P4d 16: F2C5W5d 17: F2C5P5/10d 18: F2C5pP4/10d 19: F2C5wW4d 20: F1C5P6d 21: F2C4P6d 22: F1C3W4P4d 23: F2C4Q2P4d 24: F1I6P5d 25: F2I6P4d 26: F1C4P7d 27: F1I6P5/10d 28: F2I6P4/10d 29: F1C6P5/10d 30: F2C6P4/10d 31: F2C5Q5d 34: F2S1R3pP5d 35: F2S1C3pP5d 36: F1O2C4P5d 37: F2C5pP4d 38: F2O2C3P5d 39: F2O2C3W5d 40: F2C5P5d 41: F2C4wqWQ5d 43: F2C5WQ5d 44: F1C7WQ4d 45: F1C5W6d (wt.) F1C5Q3000d (f.p.) 46: F2C5W5d (wt.) F2C5Q2000d (f.p.)
	B14-02-06 POS Fixed Price	Specify the default barcode format for fixed price items when 1:EAN/UPC 13 is set in step B14-02-01. C: Product Code F: Flag I: PLU Number O: Operator P: Price Q: Quantity of Pieces R: Receipt Number S: Scale Number W: Weight WQ: Weight or Quantity (based on sales mode) d: Check Digit p: Price Check Digit w: Weight Check Digit wq: Weight or Quantity Check Digit (based on sales mode) 0: Fixed Zero /10: Divide by 10 Note ***10: F2C6P4d [FFCCCCCCPPPP(c/d)]*** ***FF value changes depending on the Price value:*** ***22: Price more than 99999*** ***21: Price more than 9999*** ***20: All other prices*** ***11: F2C6W4d (FFCCCCCCWWWW(c/d)]*** ***FF value changes depending on the Weight value:*** ***25: Price more than 99999*** ***24: Price more than 9999*** ***23: All other weights***	
	B14-02-07 Subtotal Type	Specify the subtotal barcode type.	**1: EAN 13** 2: ITF 3: GS1EXP 4: EAN128
	B14-02-08 Subtotal Format	Specify the subtotal barcode UPC/EAN 13 format.	**1: F2C4pP5d** 2: F2C5P5d 3: F2C5pP4d 4: F2C4wW5d 5: F2C5W5d 6: F2C5wW4d
	B14-02-09 Subtotal Format 2	The subtotal barcode ITF format.	**1: F2C5P5W5d**
	B14-02-10 Subtotal Price/M	Divide the subtotal barcode price by 1/10.	**0: NO** 1: YES
	B14-02-11 Subtotal Weight/M	Divide the subtotal barcode weight by 1/10.	**0: NO** 1: YES
	B14-02-12 C/D Type	Specify the check digit calculation method.	**1: EVEN** 2: ODD

Table 4-13. B14 Barcode Parameters (Continued)

Parameter	Display	Description	Choices
B14-02 POS Code	B14-02-13 DP POS AI	Specify the decimal point position.	**0: 3 Digit** 1: 2 Digit 2: 1 Digit
	B14-02-14 SUBT AI FMT	Specify the format of the subtotal AI barcode.	**17: GTIN+G+UP** 18: GTIN+G 19: GTIN
B14-03 Item Code	B14-03-01 Department Number Digit Set	Specify which digits in a PLU's 8-digit item code represent the department for totals accumulation. D1: Starting digit from the left D2: Number of digits Example: 31 - 12**3**45678	**31**
	B14-03-02 GROUP Number Digit Set	Specify which digits in a PLU's 8-digit item code represent the group for totals accumulation. D1: Starting digit from the left D2: Number of digits Example: 42 - 123**45**678	**42**
	B14-03-03 EAN/UPC-13 Digit Set	Specify which digits in a PLU's 8-digit item code are used as the EAN/UPC-13 barcode number. D1: Starting digit from the left D2: Number of digits Example: 45 - 123**45678**	**45**
	B14-03-04 EAN/UPC-8 Digit Set	Specify which digits in a PLU's 8-digit item code are used as the EAN/UPC-8 barcode number. D1: Starting digit from the left D2: Number of digits Example: 42 - 123**45**678	**42**

Table 4-13. B14 Barcode Parameters (Continued)

4.14 B17-Operation Setting

Configure the scale's operation. The service password is required to access this feature.

Parameter	Display	Description	Choices
B17-01 Call	B17-01-02 Open PLU	Allows the label to be printed without calling a PLU. PLU 999999 is used for weighing. PLU 999998 is used for fixed price. Use the Unit Price function key to enter the price for both.	**1: YES** 2: NO
	B17-01-03 Promo Confirmation	Promotion check display.	1: NO **2: YES**
	B17-01-05 SEG.PLU	Switch to display product name for a designated time on segment display (for the L1 model). If set to Yes, set the length of time the name is displayed in step B17-03-07. Do not enable this setting for the L2 model.	**1: NO** 2: YES
	B17-01-06 Segment PLU Weight	Switch to display weight for a designated time on segment display (for the L1 model). Do not enable this setting for the L2 model.	**1: NO** 2: YES
B17-02 Production	B17-02-01 Weight Range	Weight check.	1: NO **2: YES**
	B17-02-02 Tare Select	Tare select for prepack/for counter.	**1: 1st TARE** 2: 2nd TARE
	B17-02-03 Fixed Price Auto Print	Print fixed price item labels when weight is placed on the platter.	**1: NO** 2: YES
	B17-02-04 Fix Range	Check weight of a fixed price item.	1: NO **2: YES**
B17-03 Timer	B17-03-01 Registration Timer	Product call maintenance timer (seconds)	**0** - 9999
	B17-03-02 Subtotal Timer	Subtotal mode maintenance timer (seconds)	**0** - 9999
	B17-03-03 Print Term Timer	Fixed amount auto print interval (seconds)	**0** - 9999
	B17-03-07 Segment PLU Timer	Timer setting to display the product name on the segment display (L1 model only) and also the hold time to display operator overrides such as Logo and Message. (seconds)  ***The name will not display if weight is on the platter when a PLU is called.*** ***Step B17-01-05 must be set as Yes.***	**0** - 9999
	B17-03-08 Print Delay Timer	Print delay timer (seconds). Set a delay time between labels for fixed price items in auto-print mode on continuous label. Example: 100 is 1.00 seconds.	**0.00** - 9.99
B17-04 CR1	B17-04-01 Item Display	Display details when CR FIX	**1: NO** 2: YES
	B17-04-02 VAT Print	Print VAT	**1: NO** 2: YES
	B17-04-03 Auto Operation	Auto print operation.	**1: CONTINUE** 2: EACH
	B17-04-04 Drawer Open	Select when the cash drawer opens, when the receipt begins printing or after it finishes printing.	**1: PRN START** 2: PRN END
	B17-04-05 Drawer 0 Open	Select if the cash drawer will open for a zero balance transaction.	1: NO **2: YES**
	B17-04-06 Reissue	Select when the receipt is reprinted.	**1: CALL TICK** 2: OPEN TICK

Table 4-14. B17 Operation Setting Parameters

Parameter	Display	Description	Choices
B17-05 CR2	B17-05-01 Subtotal Discount	Subtotal discount	1: NO **2: YES**
	B17-05-02 Elevator Second Printer Label	Elevated second printer. This step is only available when the model is set as 2: Elevated.	1: RECEIPT 2: LABEL
	B17-05-03 Amount Input		**1: AUTO** 2: MANUAL
	B17-05-04 Total Font	Balance screen font	**1: NORMAL** 2: LARGE
	B17-05-05 Tare Print	Print tare on receipt	**1: NO** 2: YES
	B17-05-06 Single Format	Switch the subtotal label format based on the number of transactions that were made in the CR Mode. No: Prints a standard subtotal label. Yes: Single transaction - Prints the label format that is programmed to the cassette or assigned in the PLU. Multiple Transaction - prints the subtotal label.	**1: NO** 2: YES
B17-06 Input	B17-06-01 Input	--	**1: TYPE1** 2: TYPE2
	B17-06-02 Tare Reset	Tare reset	**1: MANUAL** 2: AUTO
	B17-06-03 Operation Type	Select the method of choosing menu options. 1: Normal - Enter the number and press the **Enter** key. 2: Direct - use the left and right arrow keys.	**1: NORMAL** 2: DIRECT
	B17-06-04 Void Key Password	Enter a password to lock the Void key operation. Up to 6-digits. If "0" is set no password is required. In operation mode enter the password then press the Void key.	**0** - 999999
	B17-06-05 Multi Key	Adjust the Fixed Weight when the number of pieces for Fixed Price items is changed. STD: No change to fixed weight. FIXWGT: Fixed weight multiplies up or down as the number of pieces is changed.	**1: STD** 2: FIXWGT
	B17-06-06 Input Position	Set the position where keyed in numeric values appear on the display in operation mode. PRI POS: Total price display UPR POS: Unit price display	**1: PRI POS** 2: UPR POS
B17-08 Log	B17-08-01 Operator Log In/Out	Select if operator log in/out is required.	**1: NO** 2: Normal 3: POS Login 4: Auto
	B17-08-02 Auto Login	In CR fixed operator mode, set the operator number to automatically login when entering the normal operation mode. With auto login, a selection is not required during floral operation.	**0** - 9999
B17-09 Talon	B17-09-01 Talon	This parameter is not used in the USA.	**1: DISABLE** 2: ENABLE
	B17-09-02 Talon Print (msec)	This parameter is not used in the USA.	**0** - 3000
	B17-09-03 Talon Order	This parameter is not used in the USA.	**1: BEFORE** 2: AFTER

Table 4-14. B17 Operation Setting Parameters (Continued)

Parameter	Display	Description	Choices
B17-10 Auto PLU	B17-10-01 Auto Call	Select if a PLU is automatically called without the PLU key. Set the number of PLU digits to enter. Use 8: timer if the number of PLU digits vary or to allow temporary changes.	**1: NONE** 2: 3 DIGIT 3: 4 DIGIT 4: 5 DIGIT 5: 6 DIGIT 6: 7DIGIT 7: 8 DIGIT 8: TIMER
	B17-10-02 Auto Timer	If 8:Timer is set in step B17-10-01, set the time in msec to wait before calling the PLU. 1000 equals 1 second.	**0** - 3000
B17-11 Scanner	Item Code Digits	--	**4** - 5
B17-12 Subtotal	B17-12-01 Pack Run Total	Select if the accumulated Run Total is cleared automatically or manually. 1: BUZZER – Subtotal is not cleared even when an item is called during the production under ***Target Pack Count*** mode. 2: BUZ+CLR – Subtotal is cleared when the first label printing is completed after an item is called during the ***Target Pack Count*** mode.	**1: BUZZER** 2: BUZ+CLR
	B17-12-02 Subtotal Count	Select how many subtotal labels are issued when the **Print** key is pressed.	**1: 1** 2: 2

Table 4-14. B17 Operation Setting Parameters (Continued)

4.15 B18-Error Process

Configure the scale's response for specific error conditions.

Parameter	Display	Description	Choices
B18-01 Issue	B18-01-01 Zero Price	Select the response when the total price is zero. 1: Print zero price in the barcode and do not print the total price 2: Do not print the barcode and the total price prints as "$0.00" 3: Do not print the barcode or total price.	**1: BAR 0** 2: NO.BAR 3: NO PRICE
	B18-01-02 Error Tare	Select if an error message is displayed when the tare weight is set as zero (error: 0284-0000).	**1: NO** 2: YES
	B18-01-03 Error Zero Price	Select if an error message is displayed when the total price is zero (error: 0321-0000).	1: NO **2: YES**
B18-02 Call	B18-02-01 No POS Error	Select the response when the barcode identifying the product is zero: 1: No error 2: Display an error and do not print the label (error: 0342-0000) 3: Display an error and do not print the barcode (error: 0343-0000)	**1: NO DISP** 2: NO PRINT 3: NO BAR
	B18-02-02 Tare Cancel Error	Not applicable for USA.	**0: YES** 1: NO
	B18-02-03 – B18-02-05 Extra Message 1 - Message 3 Display Error	Select if an error is displayed when the extra message assigned to the PLU does not exist. Extra Message 1 (error: 0275-0000) Extra Message 2 (error: 0276-0000) Extra Message 3 (error: 0277-0000)	1: NO **2: YES**
	B18-02-06 Coupon Message Display Error	Select if an error is displayed when the coupon message assigned to the PLU does not exist (error: 0223-0000).	1: NO **2: YES**
B18-03 Common	B18-03-01 Damaged Thermal Error	Select response when thermal head has a damaged print element (error: 0347-000x): 1: Display an error message that can be cleared 2: Display an error message that cannot be cleared 3: Do not display any error message	1: ONE TIME **2: CONTI** 3: NO MESG

Table 4-15. B18 Error Process Parameters

4.16 B20-Traceability

Configure settings for countries that require traceability of products from harvest to consumer purchase. This is not yet required in the USA.

Display	Description	Choices
B20-01 Traceability Type	Selection of traceability. When in use, use “99” for skim number. Specify data in code tab of PLU master.	**1: TYPE 1** 2: TYPE 2
B20-02 Traceability Total	Add switch for traceability total.	**1: NON ADD** 2: ADD
B20-03 Traceability Delete	Set total clear for traceability total.	1: MANUAL **2: AUTO**
B20-04 Traceability Print	Turn traceability print on or off.	**1: NO PRINT** 2: PRINT
B20-05 Lookup Table Edit	Choose if the lookup table data can be edited in the operation mode.	**1: NO** 2: YES

Table 4-16. B20 Traceability Parameters

4.17 B21-Dual Currency

Configure settings for countries using two currencies. This is not required in the USA.

Display	Description	Choices
B21-01 Exchange Rate	Currency exchange rate.	**4293**
B21-02 Decimal Position	Exchange rate decimal position.	**4**
B21-03 Period Select	Select currency.	1: LOCAL+FRGN 2: FRGN+LOCAL 3: LOCAL **4: FOREIGN**
B21-04 Rate Flag	Print currency exchange rate.	**1: NO PRINT** 2: PRINT
B21-05 Bar Price	Amount printed on barcode.	**1: FOREIGN** 2: LOCAL
B21-06 Local Symbol	Set the symbol used by local currency.	--
B21-07 Local Position	Set the number of digits after the decimal point used by local currency.	**2**

Table 4-17. B21 Dual Currency Parameters

4.18 B22-Price Rounding

Specify rounding methods for various operations.

Display	Description	Choices
B22-01 Tax Rounding	Set rounding for CR mode tax calculations.	**1: DOWN** 2: 4/5 3: UP
B22-02 Price Rounding	Set total price rounding digits. Set as 1:01 for USA.	**1: 01** 2: 05 3: 10 4: 50 5: 100 6: 500 7: 1000 8: 25 9: 25CUT
B22-03 Discount Rounding	Set rounding for markdown items to best match front end POS systems when loyalty programs are being used.	**1: DOWN** 2: 4/5 3: UP
B22-04 Subtotal Price Rounding	Set rounding for CR mode subtotal calculations.	**1: NON** 2: 05 3: 10 4: 50 5: 100 6: 500 7: 1000 8: 25 9: 25CUT

Table 4-18. B22 Price Rounding Parameters

4.19 B23-Frequent Shopper

Select whether to print the markdown price or normal price in the barcode. Specify the logo image that prints when items are discounted. Other images may be printed for normal products.

Display	Description	Choices
B23-01 Barcode Price Type	Select the price that prints in the barcode when items are discounted.	1: NORMAL **2: MARKDOWN**
B23-02 Logo Image 1	Specify the logo image number for discount products.	**000** - 999

Table 4-19. B23 Frequent Shopper Parameters

4.20 B26-Country

Select the language and other settings for correct operation according to the regulations of each country. By default, ***B26-01-02 Language*** is the only step available.

To display ***B26-01-01 Country***, enter the service password **951753** and press **PLU**.

To display ***B26-01-03 Detail***, enter the service password **495344** and press **PLU.**

From ***B26-01-03 Detail***, press **PLU** and use the **Right** arrow key to scroll through ***B26-02 Currency***, ***B26-03 Weight***, ***B26-04 Date*** and ***B26-05 Data***.

From ***B26-03 Weight***, enter the service password **951753**, press **PLU** and then press **Enter** to access ***B26-03-02 Decimal Point Position***, ***B26-03-03 Decimal Point Type***, ***B26-03-05 Minimal Print Weight, B26-03-06 Zero Width, B26-03-08 Price Cal. Rate*** and ***B26-03-09 Minimum Print Weight Auto.***

From ***B26-03 Weight***, enter the service password **14789632**, press **PLU** and then press **Enter** to access ***B26-03-01 Weight Unit*** and ***B26-03-04 Maximum Tare.***

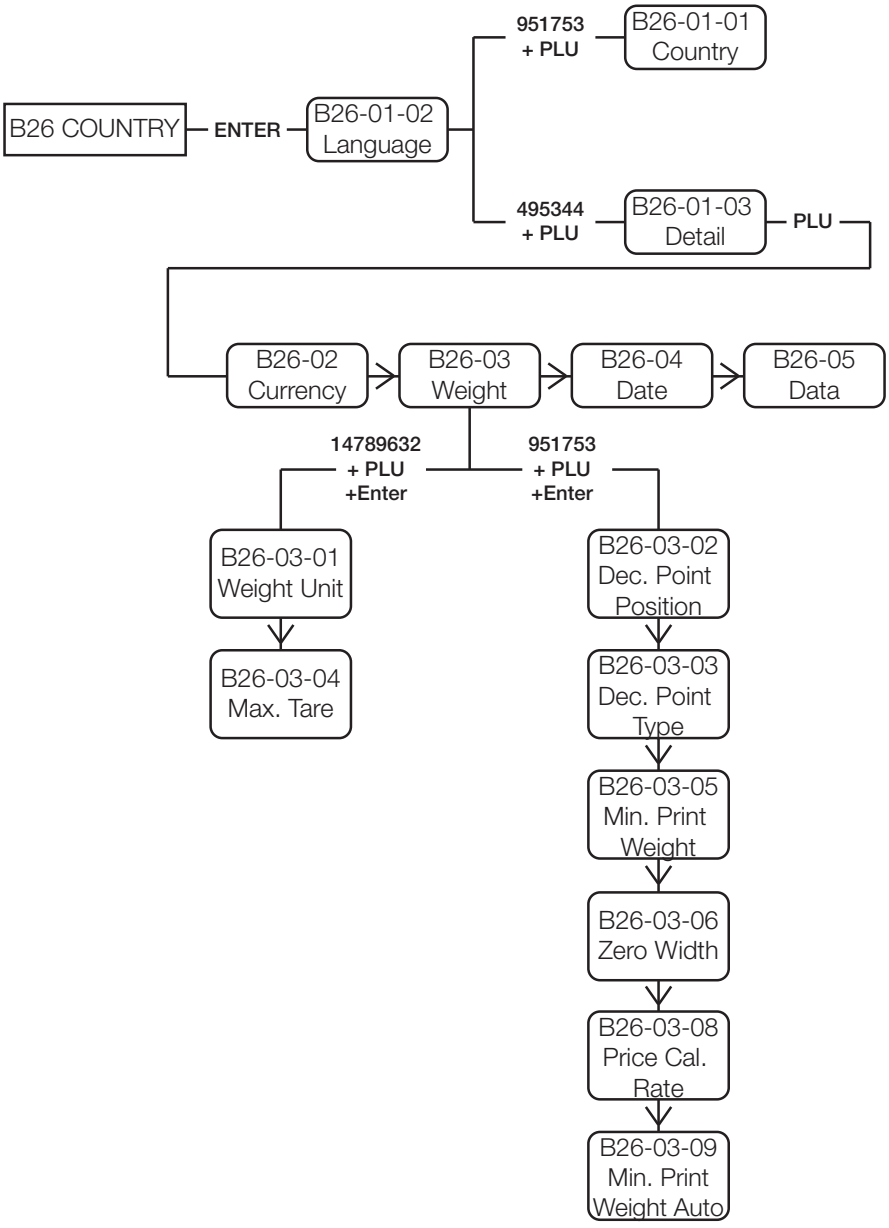


Figure 4-1. B26 Country Menu Navigation

Parameter	Display	Description	Choices
B26-01 Language	B26-01-01 Country	Select destination country. This step is only available with service password 951753.	1: USA 2: CANADA **3: EUROPE** 4: UK 5: OCEANIA 6: S. AFRICA 7: ARGENTINA 8: URUGUAY 9: THAILAND
	B26-01-02 Language	Select language file.	**1: ENGLISH** 2: FRENCH 3: GERMAN 4: ITALIAN 5: DUTCH 6: SPANISH 8: ENG-S.AFR 9: SWEDISH 10: TURKISH 11: SLOVENE 12: THAI 13:GREEK 14: VIETNAMESE 15: FORMOSAN (Chinese Big 5) 16: KOREAN
	B26-01-03 Detail	Edit country detail data. This step only available with service password 495344.	--
B26-02 Currency Gain access by pressing PLU from step B26-01-03	B26-02-01 Currency Symbol	Select currency symbol.	**$**
	B26-02-02 Dec. Point Position	Select decimal point position.	**2**
	B26-02-03 Dec. Point Type	Select decimal point type.	1: (.) **2: (,)**
	B26-02-04 Seg. Form	Set the number of digits for the total price. When 2: 8 Digits is set, the tare weight is not displayed.	**1: 6 Digits** 2: 8 Digits

Table 4-20. B26 Country Parameters

Parameter	Display	Description	Choices
B26-03 Weight Gain access by pressing PLU from step B26-01-03 and using the right arrow key to scroll to B26-03.	B26-03-01 Weight Unit	Select weight unit symbol. This step is only available with service password 14789632.	1: lb **2: kg** 3: g
	B26-03-02 Dec. Point Position	Select decimal point position. This step is only available with service password 951753.	1 - 5 (**3**)
	B26-03-03 Dec. Point Type	Select decimal point type. This step is only available with service password 951753.	1: (.) **2: (,)**
	B26-03-04 Max. Tare	When country is USA and units are lb, the default maximum tare weight is 9.990. Example: Enter 250 for a 0.250 lb tare weight. This step is only available with service password 14789632.	**9990**
	B26-03-05 Min. Print Weight	Minimum print weight in manual print mode. “e” represents one weight division which is 0.005 lb for standard dual-range weighing. 20e = 0.100 lb, 5e = 0.025 lb, 3e = 0.015 lb This step is only available with service password 951753.	**1: 20e** 2: 5e 3: 3e
	B26-03-06 Zero Width	Fixed at 2.50. This step is only available with service password 951753.	2.50
	B26-03-08 Price Cal. Rate	Set the total price multiplier rate. For USA, use 0: x1. This step is only available with service password 951753.	**0: x1** 1: x10 2: x100
	B26-03-09 Min. WGT Auto	Minimum print weight in auto print mode. “e” represents one weight division which is 0.005 lb for standard dual-range weighing. 20e = 0.100 lb, 5e = 0.025 lb, 3e = 0.015 lb This step is only available with service password 951753.	**1: 20e** 2: 5e 3: 3e
	B26-03-10 Add Zero	Not applicable for USA.	**1: NO** 2: YES
B26-04 Date Gain access by pressing **PLU** from step B26-01-03 and using the right arrow key to scroll to B26-04.	B26-04-01 Date Format	Set the date format. Y = Year, M = Month D = Day.	0: Y-M-D 1: M-D-Y **2: D-M-Y**
	B26-04-02 Year Type	Set the number of digits in the year.	1: YY **2: YYYY**
	B26-04-03 Month Type	Set the month format. For the USA, select numeric (0: DIGIT) or three character abbreviation (1: USA).	0: DIGIT **1: USA** 2: CANADA 3: SPAIN
	B26-04-04 Date Spacer	Select the separator character used in the date.	1: (,) 2: (.) 3: (:) 4: (/) 5: SPACE **7: (-)**
	B26-04-05 Shelf Life	Specify if the shelf life calculation includes the pack day (2: TODAY) or begins from the following day (1: NEXT DAY).	**1: NEXT DAY** 2: TODAY
B26-05 Data Gain access by pressing **PLU** from step B26-01-03 and using the right arrow key to scroll to B26-05.	B26-05-01 PLU Type	PLU data format. Set as 1: Standard for USA.	**1: STD** 2: TH 3: ZA

Table 4-20. B26 Country Parameters (Continued)

4.21 B27-File Save/Load

Backup and restore scale files using a USB flash drive. Up to seven "Data0x" folders can be saved onto one USB flash drive.

For detailed step by step instruction see Section 1.7.9 on page 16 to load a file from a flash drive and Section 1.7.10 on page 17 to save a file from a flash drive

USB specifications: 8 GB or smaller, FAT32 file system and USB 3.0 high speed format (Rice Lake PN 160906).

Parameter	Display	Description	Choices
B27-01 USB to Scale	B27-01-01 Input Select	Press the **PLU** key to scan the USB flash drive for valid data folders.	--
	B27-100 Select USB Folder	Use the **Down Arrow** to scroll through the folders found on the USB flash drive.	--
	B27-101 USB Data01 – B27-107 USB Data07	Press the **PLU** key to select the folder containing files to be transferred to the Uni-3.	--
	B27-01-02 Data Type	Select the option to load the standard data files or the complete SRAM memory image. Loading the SRAM is useful after replacing the CPU board. 1: Load standard data files from the selected USB folder. 2: Load the SRAM file from the selected USB folder. *Note: This step is only available after entering the service password 495344, then Tare. The SRAM file must exist in the selected USB folder.*	**1: MASTER** 2: SRAM
	B27-01-03 Master Mode	Press the **Down Arrow** to scroll to the Master Mode. 1: Auto to load all files from the USB folder. 2: Manual to select individual files to load.	1: AUTO **2: MANUAL**
	B27-01-04 Execute	Press the **Down Arrow** to scroll to the Execute Option. Press the **Zero** key to begin receiving files from the USB.	--
	B27-01-05 PLU – B27-01-59 G Nutrition	If 1: Master was selected in step B27-01-02 and 2: Manual was selected in step B27-01-03, press the **Down Arrow** to scroll to the individual files. For each file to be loaded in to the scale, press **1** then **Enter**. Press the **Zero** key to begin loading the selected file(s) from the USB. 0: Do not load the file. 1: Load the file.	**0** - 1
	B27-01-05 SRAM Data	Select if only the SRAM data file will be loaded from the selected USB folder. To load, press **1** then **Enter**. Press the **Zero** key to begin loading files from the USB. 0: Do not load the SRAM file. 1: Load the SRAM file. *Note: This step is only available if 2: SRAM was selected in step B27-01-02. Only one selection can be made between steps B27-01-05 and B27-01-06.*	**0** - 1
	B27-01-06 SRAM + Master	Select if the SRAM data file and the standard data files will be loaded from the selected USB folder. To load, press **1** then **Enter**. Press the **Zero** key to begin loading files from the USB. 0: Do not load the SRAM file and standard data files. 1: Load the SRAM file and standard data files. *Note: This step is only available if 2: SRAM was selected in step B27-01-02. Only one selection can be made between steps B27-01-05 and B27-01-06.*	**0** - 1
	14011-0000 Input Check	Execute confirmation screen. Press the **Enter** key to begin receiving from the USB. Press **Clear** to quit. When ***14013-000x COMPLETE INPUT*** is displayed, file transfer is finished. Press **Enter** to exit. *Note: If the SRAM file was loaded the scale must be powered off. Remove the USB before powering on.*	--

Table 4-21. B27 File Save/Load Parameters

Parameter	Display	Description	Choices
B27-02 Scale to USB	B27-02-01 Output Select	Press the **PLU** key to scan the USB flash drive for valid data folders.	--
	B27-200 Select USB Folder	Use the **Down Arrow** key to select an unused folder. Maximum of seven folders from USB01 to USB07 are available.	--
	B27-201 USB Data01 – B27-207 USB Data07	Press the **Edit** key to name the folder. Press the **Enter** key when complete.	--
	B27-02-02 Data Type	Select the option to save the standard data files or the complete SRAM memory image. Saving the SRAM is useful if the CPU board will be replaced. 1: Save standard data files to the selected USB folder. 2: Save the SRAM file to the selected USB folder.	**1: MASTER** 2: SRAM
	B27-02-03 Master Mode	Press the **Down Arrow** to scroll to the Master mode. 1: Auto to save all files to the USB folder. 2: Manual to select individual files to save. *Note: Selection 1: Auto is strongly recommended to save all files. Step B27-02-03 is not available if 2: SRAM was selected in step B27-02-02.*	1: AUTO **2: MANUAL**
	B27-02-04 Execute	Press the **Down Arrow** to scroll to the Execute option. Press the **Zero** key to begin sending files to the USB. *Note: If 2: SRAM was selected in step B27-02-02 scroll down and enable either step B27-02-05 or B27-02-06.*	--
	B27-02-05 PLU – B27-02-59 G Nutrition	If 1: Master was selected in step B27-02-02 and 2: Manual was selected in step B27-02-03, press the **Down Arrow** to scroll to the individual files. Select the files to be saved by pressing **1** then **Enter**. Press the **Zero** key to begin sending files to the USB. 0: Do not save the file. 1: Save the file.	**0** - 1
	B27-02-05 SRAM Data	Select if only the SRAM data file will be saved to the selected USB folder. Press the **Zero** key to begin sending files to the USB. 0: Do not save the SRAM file. 1: Save the SRAM file. *Note: This step is only available if 2: SRAM was selected in step B27-02-02. Only one selection can be made between steps B27-02-05 and B27-02-06.*	**0** - 1
	B27-02-06 SRAM + Master	Select if the SRAM data file and the standard data files will be saved to the selected USB folder. Press the **Zero** key to begin sending files to the USB. 0: Do not save the SRAM file and standard data files. 1: Save the SRAM file and standard data files. *Note: This step is only available if 2: SRAM was selected in step B27-02-02. Only one selection can be made between steps B27-02-05 and B27-02-06.*	**0** - 1
	14012-0000 Output Check	Execute confirmation screen. Press the **Enter** key to begin sending to the USB. Press **Clear** to quit. When ***14014-000x-COMPLETE OUTPUT*** is displayed, backup is finished. Pres **Enter** to exit.	--
B27-03 USB Data Delete	B27-03-01 Delete Select	Press the **PLU** key to scan the USB flash drive for valid data folders.	--
	B27-300 Select USB Folder	Use the **Down Arrow** to scroll through the folders found on the USB flash drive.	--
	B27-301 – B27-307	Press the **PLU** key to select the folder to be deleted from the USB flash drive.	--
	B27-03-03 Master Mode	Press the **Down** Arrow to scroll to the Master mode. 1: Auto to delete all files from the USB folder. 2: Manual to select individual files to delete.	1: AUTO **2: MANUAL**
	B27-03-04 Execute	Press the **Down Arrow** to scroll to the execute option. Press the **Zero** key to begin deleting the folder.	--
	14015-0000 Delete Check	Press the **Enter** key to begin deletion. Press **Clear** to quit. When ***14016-000x DELETE COMPLETE*** is displayed, deletion is completed. Press **Enter** to exit.	--

Table 4-21. B27 File Save/Load Parameters (Continued)

Parameter	Display	Description	Choices
B27-04 Scale Initialize	B27-04 Scale Initialize	Clear or initialize individual files in the scale's memory.	--
	B27-04-03 Master Mode	Select 1: Auto to initialize all files in memory. Select 2: Manual to select individual files to initialize.	1: AUTO **2: MANUAL**
	B27-04-04 Execute	Press the **Zero** key to begin initializing files.	--
	B27-04-05 PLU – B27-04-59 G Nutrition	If 2: Manual was selected in step B27-04-03, press the **Down Arrow** to scroll to the individual files. For each file to be initialized, press **1** then **Enter**. Press the **Zero** key to begin deleting or resetting the selected file(s). 0: Do not initialize the file. 1: Initialize the file.	**0** - 1
	14027-0000 Enter or Clear	Execute confirmation screen. Press the **Enter** key to begin initializing. Press **Clear** to quit. When ***14028-000x COMPLETE INITIALIZATION*** is displayed, initializing is complete. Press **Enter** to exit.	--

Table 4-21. B27 File Save/Load Parameters (Continued)

4.22 B28-Data Distribution

Configure which satellite scales will receive data or configuration files downloaded from the master scale. Specify which files are sent.

Parameter	Display	Description	Choices
B28-01 Machine	B28-01-01 Machine Number	Specify the machine number of a satellite scale that will receive the data files. Enter the number and press the **PLU** key.	--
	B28-01-02 IP Address	Enter the 12-digit IP address for the satellite scale specified in the previous step. Example: For 192.168.1.15 enter 192168001015 with no decimals.	***.***.***.***
B28-02 Data	B28-02-01 PLU	Select if the PLU file will be downloaded to the specified Satellite scales.	**1: YES** 2: NO
	B28-02-02 Campaign	Select if the campaign file will be downloaded to the specified satellite scales.	
	B28-02-03 Operator	Select if the operator file will be downloaded to the specified satellite scales.	
	B28-02-04 Preset Key LCD	N/A	
	B28-02-05 Preset Key Membrane	--	
	B28-02-06 Ad Message	--	
	B28-02-07 Store	--	
	B28-02-08 Department	--	
	B28-02-09 Group	--	
	B28-02-10 Cook Time	--	
	B28-02-11 Nutrition	--	
	B28-02-12–B28-02-14 Extra Message 1-3	--	
	B28-02-15 Coupon Message	--	
	B28-02-16 Pop Message	--	
	B28-02-17 Schema Table Base	--	
	B28-02-18 Gen Table	--	
	B28-02-19 Lookup Table	--	
	B28-02-20 Lookup Data	--	
	B28-02-21 F/P Symbol	--	
	B28-02-22–B28-02-36 Free Message 01-15	--	
	B28-02-37 Logo Image	--	
	B28-02-38 Display Image	N/A	
	B28-02-39 Password	--	
	B28-02-40 Cassette	--	
	B28-02-41 Label	--	
	B28-02-42 Format	--	
	B28-02-43 Free Master Name	--	
	B28-02-44 System	--	
	B28-02-45 Stamp Price	--	
	B28-02-46 G_Nutrition	--	

Table 4-22. B28 Data Distribution Parameters

4.23 B29-Tax

Set the tax rates to be used when the Uni-3 is configured in Cash Register mode. Up to 10 tax rates and types can be set. Each PLU may be programmed to use a different tax rate and type. Tax rates can be set from 0% to 99.99%.

Display	Description	Choices
B29-00 TAX0 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-00 TAX0 Rate	Tax Rate	0 - 99.9%
B29-01 TAX1 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-01 TAX1 Rate	Tax Rate	0 - 99.9%
B29-02 TAX2 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-02 TAX2 Rate	Tax Rate	0 - 99.9%
B29-03 TAX3 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-03 TAX3 Rate	Tax Rate	0 - 99.9%
B29-04 TAX4 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-04 TAX4 Rate	Tax Rate	0 - 99.9%
B29-05 TAX5 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-05 TAX5 Rate	Tax Rate	0 - 99.9%
B29-06 TAX6 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-06 TAX6 Rate	Tax Rate	0 - 99.9%
B29-07 TAX7 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-07 TAX7 Rate	Tax Rate	0 - 99.9%
B29-08 TAX8 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-08 TAX8 Rate	Tax Rate	0 - 99.9%
B29-09 TAX9 Type	Tax Type	**1: EXCLUDED** 2: INCLUDED 3: EXEMPT
B29-09 TAX9 Rate	Tax Rate	0 - 99.9%

Table 4-23. B29 Tax Parameters

4.24 B31-Mode Access Code

Specify the codes used to directly enter a menu/mode. From the main menu screen, enter the service password 495344 followed by the **PLU** key to access all menu steps.

Display	Description	Choices
B31-01 Adjust	Adjust mode startup code. Default is **4000**.	1000 - 9999
B31-02 Setup	Setting mode startup code. Default is **6000**.	1000 - 9999
B31-03 Program	Registration mode startup code. Default is **9000**.	1000 - 9999
B31-04 Total	Total mode startup code. Default is **8000**.	1000 - 9999
B31-05 Operate	Operate mode startup code. Default is **5000**.	1000 - 9999
B31-06 Mode Code Type	Do not select 1:Date, it is not valid for the USA.	**0: NONE** 1: DATE

Table 4-24. B31-Mode Code

5.0 Adjustment Mode

5.1 Enter/Exit Adjustment Mode

Enter ***4000*** and press **Mode** to enter the Adjustment mode menu. To exit the Adjustment mode, press **Mode**.

Many functions in the Adjustment mode are restricted to authorized service personnel. Enter the service password **495344** and press **PLU** to access all Adjustment mode functions. All Adjustment mode functions are available until the scale returns to normal operation mode.

Note ***The Default password 4000 can be changed in the Setup menu step B31-Mode Access Code (Section 4.24 on page 79).***

Adjustment Mode Main Menu Screen

The Adjustment Mode for this device includes the following parameters:

C01	Date Time	C07	Printer*
C03	Display Check	C08	Calibration*
C04	Key Check*	C10	Download*
C05	Firmware Details	C11	Option Check*
C06	Memory Clear*	C13	Model*

*Full access requires the service password.

Use the **Up** and **Down** arrow keys to select a parameter within the Adjustment menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

Example:

1. From the Adjustment mode main menu screen, press the **Down** arrow several times to scroll to ***C11 OPTION CHECK***.

2. Press **Enter** to enter ***C11 OPTION CHECK***.

3. Press **Enter** to enter the parameter ***C11-01 SCANNER CHECK***.

4. Use the **Down** arrow key to scroll to ***C11-01-02 SCANNER SELECT***.

5. Press the **Right** arrow key to view the available options from ***1: NONE*** to ***3: UART***

   To change the current setting, enter the numeric value, example 2, then press **Enter** to select **2:USB**.

6. Press **Mode** to return to the main step ***C11 OPTION CHECK***.

7. Exit the Adjustment mode by pressing **Mode**.

5.2 C01-Date Time

Adjusts date and time of Uni-3's internal clock.

Display	Description	Choices
C01-01 Date Adjustment	To adjust the date, enter the date in the format MMDDYYYY (Month+Day+Year). Press **Enter** to store data.	MMDDYYYY
C01-02 Time Adjustment	To adjust the time, enter the time in the format HHMMSS (Hour:Minute:Second). Press **Enter** to store the data. Time is entered in a 24-hour format. Example 3:47:00 pm is entered as 154700.	HHMMSS
C01-03 Local Year	Not applicable in the USA.	****
C01-04 Julian Date	The Julian date is the number of days since January 1st. This step displays the Julian date - it is not possible to change it. Display format: DDD-YYYY.	--
C01-05 Year Mode	Selects the calendar format to follow. Note ***Select 0:A.D. for USA.***	**0: A.D.** 1: LOCAL

Table 5-1. C01 Date Time Parameters

5.3 C03-Display Check

Checks the lighting of the dot and the segment on the liquid crystal display.

Displays all the digits of the display simultaneously. Press the **Mode** key to exit.

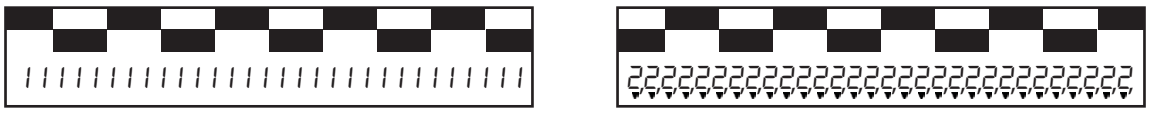


Figure 5-1. Examples of Display During Lighting Check

5.4 C04-Key Check

Confirm each key is working properly. Press the **ESC** key to exit.

Display	Description	Choices
C04-01 Key Data	Press each key to verify operation. The address is displayed and the buzzer beeps.	--

Table 5-2. C04 Key Check Parameters

Membrane Keys													Mechanical Keys			
ESC	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68
69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102

Table 5-3. Key Check Address Reference

5.5 C05-Firmware Details

Displays the program number and version of the firmware in the following format:

B****# or C****#.

Example: C2271M

B: Standard Program Code

C: Option Program Code

****: Base Program four-digit number

#: Version

To avoid confusion, some letters, such as I, O and Q, are not available for the version. Version letters are from "A" (oldest) to "Z" (newest).

Press **Mode** to exit.

Display	Description	Choices
C05-01 Title Software	Displays the program number and version of the title software. Refer to this program number and version when checking for updates.	--
C05-02 Main	Displays the program number and version of the main software.	--
C05-03 Operating System	Displays the program number and version of the operating system.	--
C05-04 Boot ROM	Displays the program number and version of the Boot ROM.	--
C05-06 Scale Driver	Displays the program number and version of the A/D Driver.	--
C05-07 Updater	Displays the program number and version of the Updater ROM.	--

Table 5-4. C05 Firmware Details Parameters

5.6 C06-Memory Clear

This procedure is for clearing all programmed data and resetting configuration to factory defaults.

Display	Description	Choices
C06-01 Master Data Clear	Deletes all data in the program menu and custom label formats. Press **Zero** twice to clear the RAM. After clearing the memory, the result is displayed: Success [OK], Failure [NG].	--
C06-02 System Data Initial	Used to restore the default settings of the system data. All of the settings of the **Setup** menu are initialized to the default settings by executing this mode. Press **Zero** twice to execute. After completing the initialization, the result is displayed: success [OK], failure [NG].	--
C06-03 Test Data Set	Test Data Set creates PLUs, Store Name, Preset Keys, etc. for testing purposes. Press **Zero** twice to execute. All exisiting data is deleted when Test Data Set is performed.	--
C06-04 SRAM Size	Monitors the status of the SRAM. ####: Available Memory, ****:Total Memory	#### - ****
C06-05 SDRAM Size	Monitors the status of the SDRAM. #####: Available, *****: Total.	##### - *****
C06-06 Flash	Displays the size of the installed program and the flash ROM. #####: Total size of program, *****: Size of flash ROM.	##### - *****

Table 5-5. C06 Memory Clear Parameters

5.7 C07-Printer

This step allows for adjustments to the thermal printer, including the Peel Sensor, Label Gap Sensor and Thermal Head Density (darkness).

Parameter	Display	Description	Choices
C07-01 Head	C07-01-01 Test Print	Selects the test label print format. Press **Print** to print out a test label.	**0: CHECKER** 1: NORMAL
	C07-01-02 Head Type	Displays the thermal head model.	**0: CHX56-9719**
	C07-01-03 Head Usage	Displays the running distance of the thermal head. When replacing the main board or thermal print head, enter the running distance by using the numerical keypad. Press **Enter** to overwrite. Enter **495344** and press the **Size** key to unlock.	--
	C07-01-04 Head Resistance	Sets the resistance value of the thermal head. Enter the resistance value by using the numerical keypad. Press **Enter** to overwrite. Set as **1100**. This is the standard fixed value for Uni-3 thermal heads.	--
	C07-01-05 Backfeed 45	The adjustment value of the backward feeding. Enter the adjustment value for 45mm. Press **Zero** to store. Default: 1.0.	--
	C07-01-06 Backfeed 60	The adjustment value of the backward feeding. Enter the adjustment value for 60mm. Press **Tare** to store. Default: 1.0.	--
	C07-01-07 Backfeed 80	The adjustment value of the backward feeding. Enter the adjustment value for 80mm. Press **Feed** to store. Default: 1.0.	--
	C07-01-08 Thermal Head Temperature	Selects whether to monitor and provide an error if the thermal head over heats.	**0: NO** 1: YES
	C07-01-09 Printer Initial	Initializes the printer. Resets all printer settings to default values. Press **Zero** followed by **Enter** to execute. After execution, recheck all printer settings and sensor calibrations.	--
	C07-01-10 Head Initial	Initializes the thermal head. Press **Zero** followed by **Enter** to execute.	--
	C07-01-11 Head Check	Checks the thermal head print elements. Press **Zero** to execute. A long beep indicates OK, an error beep indicates one or more elements are faulty.	--
C07-02 Peel Sensor	C07-02-01 Peel Sensor Level	Monitors the output level of the peel sensor.	Unblocked: More than 130 Blocked: Less than 20
	C07-02-02 Peel Detect	Adjusts the threshold value of the peel sensor.	0-255
	C07-02-03 Peel Sensitivity	Adjusts the sensitivity of the peel sensor.	0-255
C07-03 Label Type	C07-03-01 Label Type	Selects the type of the thermal paper to be used. Note ***130LA is the USA standard, there should be no reason to change the default.***	0: RECEIPT **1: 130LA-1** 3: 150LA-1
	C07-03-02 Density	Adjusts the print density (darkness). Default is 5.	0 - 9
	C07-03-03 Print Direction	Set print direction. 0: Label prints in normal direction, bottom first 1: Label prints upside down, top first	**0: STANDARD** 1: INVERSE
	C07-03-04 Label Shape	Specifies shape of the label.	**0: STANDARD** 1: ROUNDING
	C07-03-05 Label Gap	Specifies the size of the gap between labels. Default is 2.5 mm.	0.1mm - 99.9mm
	C07-03-06 Round Label	Specifies gap of round label.	0.1mm - 99.9mm

Table 5-6. C07 Printer Parameters

Parameter	Display	Description	Choices
C07-04 Label Feed	C07-04-01 Sensor Type	Specifies if the Label Gap sensor is active.	0: NONE **1: LABEL**
	C07-04-03 Label Sensor Level & Sensitivity	Enter a value to adjust the label sensor. • Backing Paper Only: Approximately 150 • Backing Paper and Label: Approximately 50 C07-04-03 LEVEL XXX YY, where XXX is the label sensor level reading and YY is the sensitivity adjustment value. Adjust the sensitivity value to achieve the desired label sensor level readings.	0 - 255
	C07-04-04 Label Gap Detect	Adjusts the threshold value of the label gap sensor. Any sensor readings below the set value are ignored. This is useful when the label has dark pre-printed areas that affect the sensor output.	0 - 255
	C07-04-05 Pre-Print Length	Adjusts the length of the preprint section. Specify the length in 0.1 millimeters. Default is 7.5 mm.	0.0 - 99.9 (**7.5**)
	C07-04-06 Label Sensor Distance	Specifies distance between the label gap sensor and the print elements on the thermal head. Adjusts the label stop position which also moves the print up or down on the label. Increase the value to stop the label farther out and raise the printing up. Specify distance in 0.1 millimeters. Default is 71.0 mm.	0.0 - 99.9 (**71.0**)
	CO7-04-07 Back Feed	Select if backfeed is enabled. This allows variable data (other than the store name) to print at the bottom of the label. Do not use backfeed with continuous labels.	**1: NO** 2: YES
	C07-04-08 Peel Sensor	Select if the peel sensor is enabled. During normal operation this setting is unnecessary. If the sensor is faulty, however, it may be disabled until repairs are made.	**0: USE** 1: NO USE

Table 5-6. C07 Printer Parameters (Continued)

5.8 C08-Calibration

Set the scale's capacity and range and calibrate the weight readings.

Display	Description	Choices
C08-01 Capacity	Specifies the scale's maximum capacity and units. Enter 495344, **PLU** then select the new capacity setting and press **Enter.** Note ***Changes to the capacity selection will not be saved until calibration is performed.*** CAUTION ***Do not select 60 lb (or 30 kg) unless the scale is equipped with a high capacity load cell.***	0: 15 kg 1: 30 kg **2: 30 lb** 3: 60 lb 9: 30 kg (1/6000)
C08-02 Range	Specifies the accuracy of the scale. Example**:** Single: 0-30 x 0.01 lb; Multi: 0-15 x 0.005 lb, 15-30 x 0.01 lb Note ***Changes to the range selection will not be saved until a calibration is performed.***	0: SINGLE **1: MULTI**
C08-03 Area Setting	Gravity setting. Used when the scale is calibrated in one location and used at another. This step is password protected.	--
C08-04 Advanced Setting	Enables steps C08-05 to C08-08. Used for factory verification.	**1: OFF** 2: ON
C08-09 Initialize	Press the **COPY** key to initialize all calibration parameters. All settings are reset to default values after initialization, set the capacity, range, etc. as needed. Recalibrate the scale at step C08-10 following the instructions in Section 5.8.1 on page 85. Press the span button to store the settings. Note ***Use this function only when calibration is not operating normally.***	--
C08-10 Span Calibration	See Section 5.8.1 on page 85.	--

Table 5-7. C08 Calibration

5.8.1 Calibrate the Scale

1. Remove any objects from the platter and press the **Zero** key. Display reads: Span= 20000, Weight= 0.000.
2. Place full capacity weight on the scale, example 30 lb.
3. Press **Tare**. Display reads: Span= 80000, Weight= 30.00.
4. Remove the weight. Display reads: Span= 20000, Weight= 0.000.
5. Repeat from step 1 if necessary.
6. On the left side of the machine, remove the bottom hex screw covering the **Span** button.

7. Press the **Span** button with a small screw driver to save the calibration parameters. A long beep will sound.
8. Press the **Mode** key, remove the weight at the message Check Platter 15032-0000 then press **Enter**.
9. After message Scale 11002-0000 clears, press the **Mode** key twice to exit.
10. Verify the weight readings in the operation mode.
11. Seal the scale according to local regulations.

5.9 C10-Download

Update the scale's firmware via a USB flash drive. Insert the USB flash drive containing the soft folder before entering step C10.

Note ***Check www.ricelake.com/retail for the latest firmware version. Must log in to download.***
USB specifications: 8 GB or smaller, FAT32 file system and USB 3.0 high-speed format (Rice Lake PN 160906).

IMPORTANT ***The USB flash drive must be empty except for the soft folder.***

Display	Description	Choices
C10-01 Copy Method	Selects the downloading procedure. Enter the number and press **Enter**. Select step 0 or 1 to download firmware to the scale. 0: Firmware and default images 1: Firmware only After pressing the **Enter** key, press the **Down arrow** key to display the firmware version.	**0. USB>MAIN (PRG+IMG)** 1: USB>MAIN (ONLY PRG) 2. USB>MAIN (ONLY IMG) 3. USB>MAIN (BOOT REN) 4. MAIN>USB (PRG+IMG) 5. MAIN (ALL CLR) Note ***3 and 5 are only available when booting from a USB flash drive.***
C10-02 USB Memory Folder	The firmware version is displayed. Press the **Enter** key two times to begin loading. When loading is complete (message: Reboot Check 15029-0000) power off the scale and remove the USB flash drive.	--

Table 5-8. C10 Download

5.9.1 Firmware Loading Procedure

Refer to the Webinars section of the Uni-3 product page on the Rice Lake web site for detailed step-by-step instructions to update the scale firmware. https://www.ricelake.com/Portals/0/interactive-demos/uni3Update/index.html

1. Copy the Uni-3 scale firmware folder "Soft" onto an empty USB memory stick.
   - The folder and files must not be zipped.
   - The "Soft" folder must be the only data on the USB memory stick.
   - The recommended USB memory stick specifications are: 8GB or smaller, USB 3.0 high-speed format, and FAT32 file system.
   - If a compatible USB memory stick cannot be found, PN 160906 can be ordered from Rice Lake Weighing Systems.
2. With the Uni-3 powered OFF insert the Memory Stick in to the USB port.

Note ***DO NOT REMOVE the USB Memory Stick during the firmware update procedure.***

3. Power up the Uni-3. At the Date/Time confirmation screen press **Enter**.

Note ***Power up may take several minutes depending on the firmware version.***

4. At C13-01 MODEL press **Mode**.
5. At S00 OPERATE press ← (Left Arrow).
6. At C00 ADJUST enter the service password **495344** and press **PLU**.
7. Scroll down to C10 DOWNLOAD using ↓ (Down Arrow) and press **Enter**.
8. At C10-01 COPY METHOD press ↓ (Down Arrow) to C10-02 SELECT.
9. Confirm the correct firmware version is displayed and press **Enter**.
10. A warning message 15034-0000 "Database Version Is Different" may be displayed indicating a memory clear will be required after loading the new firmware. If a current backup is not available press CLEAR and MODE then power off the scale and make a backup. To continue loading the new firmware press **Enter**.
11. At message 15017-0000 "CHK MAIN PROG DOWNLOAD" press **Enter** to begin the firmware download.
12. The display will show the firmware download progress.

Note ***The download may take a several minutes to begin and up to 20 minutes to complete. Data transfer may be confirmed by the flashing light on the USB memory stick.***

13. When message 15029-0000 "RE-BOOT CHECK" is displayed, the firmware download is complete.
14. Power the scale off and remove the USB Memory Stick.
15. Power up the Uni-3. At the Date/Time confirmation screen press **Enter**.
16. If warning message 15034-0000 "Database Version Is Different" was displayed at step 10, a memory clear is required.
17. At S00 OPERATE press ← (Left Arrow).
18. At C00 ADJUST enter the service password **495344** and press **PLU**.
19. Scroll down to C06 MEMORY CLEAR using ↓ (Down Arrow) and press **Enter**.
20. At C06-01 MASTER DATA CLEAR press **Zero**, **Zero**.
21. After OK is displayed, press **Mode**, **Mode**, **Mode**.
22. At the Date/Time confirmation screen press **Enter**.
23. Load data as needed.

5.10 C11-Option Check

Configure and verify options used when the Uni-3 is set to CR mode.

Parameter	Display	Description	Choices
C11-01 Scanner Check	C11-01-01 Scanner Scan Test	Performs reading test by using scanner. Monitors the last 13 digits of the read data.	--
	C11-01-02 Scanner Interface Selection	Selects the interface of the scanner.	**1: NONE** 2: USB 3: UART
	C11-01-03 Scanner Baud Rate Selection	Selects baud rate of RS-232C.	3: 4800 4: 9600 6: 19200 **7: 38400**
	C11-01-04 Scanner Vertical Parity	Sets the vertical parity of the RS-232C.	1: NONE **2: EVEN** 3: ODD
	C11-01-05 Scanner Data Bit	Sets the data bit of RS-232C.	1: 7 BIT **2: 8 BIT**
	C11-01-06 Scanner Stop Bit	--	1: 1 BIT **2: 2 BIT**
C11-02 Drawer Check	C11-02-01 Drawer Test	PORT #1—Test port output signal by pressing **Print**.	--
C11-03 RS232C Check	C11-03-01 Com. Select	Result data output.	**1: NONE** 2: RS232C 3: TCP 4: UDP
	C11-03-02 RS232C Baud Rate Selection	Selects baud rate of RS-232C communication.	1: 2400 2: 4800 **3: 9600** 4: 19200 5: 38400 6: 57600 7: 115200
	C11-03-03 Parity Bit	Sets the vertical parity of RS-232C.	**1: NONE** 2: EVEN 3: ODD
	C11-03-04 Data Bit	Sets the data bit of RS-232C.	1: 7 BIT **2: 8 BIT**
	C11-03-05 Stop Bit	Sets the stop bit of RS-232C.	**1: 1 BIT** 2: 2 BIT
	C11-03-06 LRC	Selects if an LRC check is performed.	1: 1:YES **2: 2:NO**
	C11-03-07 Sever Address	Set the IP address of the device to which Transaction data is sent.	**0.0.0.0**
	C11-03-08 Port Number	Set the port number of the device to which Transaction data is sent.	**50022**
	C11-03-09 PLU Number	Enter a PLU for testing purposes	**0**

Table 5-9. C11 Option Check

5.11 C13-Model

Selects the scale model.

Display	Description	Choices
C13-01 Model Select	Specifies the model, ensures all appropriate functions are available and the correct operation of the hardware. 1: B/P is Bench or Pole 2: ELEVATED is not available in the USA. 4: HANGING is the model with the weight pan under the scale body. 5: BAKERY is a printer only, no scale.	**1: B/P** 2: ELEVATED 4: HANGING 5: BAKERY
C13-17 – C13-24 Tri Mark7 – Tri Mark14	Display the status of various connections using the triangle annunciators along the bottom of the operator display. Available positions are the 7th, 9th, 11th, and 14th from the left. 0: None indicates triangle mark is not used. 1: SLP indicates the network connection status. This is the response to the Comm Check set in step B01-03-03 from the PC IP Address set in step B01-03-01. 2. CSIS Master indicates the scale is configured as a Master scale. 3. CSIS Satellite indicates the connection status to the Master scale. 4. USB indicates if a USB flash drive is inserted in the scale.	**0: None** 1: SLP 2: CSIS Master 3: CSIS Satellite 4: USB

Table 5-10. C13 Mode

6.0 Operation Mode

6.1 Enter/Exit Operation Mode

Enter ***5000*** and press **Mode** key to enter the Operation mode menu. To exit the Operation mode, press the **Mode** key.

Note ***It is possible to change the default password. Contact local scale dealer if the password has been changed.***

Operation Mode Main Menu Screen

The Operation Mode for this device includes the following parameters:

S01 Sales
S06 Total Adjust
S07 POS Function (Only available when the scale is configured in Cash Register mode)

Use the **Up** and **Down** arrow keys to select a parameter within the Total menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

6.2 S01-Sales

Return to normal operation mode.

Display	Description	Choices
S01 Sales	Press **Mode** or **Enter** to return to normal operation mode.	--

Table 6-1. S01 Sales Parameter

6.3 S06-Total Adjust

Adjust the accumulated totals by entering the amounts to be subtracted from a PLU.

Display	Description	Choices
S06-01 Total Adjust Number Subtract	Enter the PLU number and press **PLU** to select the item to be adjusted.	0–999999 (**0**)
S06-02	The PLU description and number are displayed for confirmation.	--
S06-03 Total Pieces	Enter the number of pieces to be subtracted. Press **Enter**.	**0**
S06-04 Total Weight	Enter the weight to be subtracted. Press **Enter**.	**0.000**
S06-05 Total Price	Enter the price to be subtracted. Press **Enter**. Press **Zero** to subtract the values entered in the previous steps. Then press **Enter** to complete the subtraction or **CLR** to cancel.	**0.00**

Table 6-2. S06 Total Adjust Parameters

6.4 S07-POS Function

POS Function is available only when the scale is configured in Cash Register mode. Print and perform various entries POS.

To print total reports on continuous paper select a cassette configured for "Receipt" in Label Spec step B12-02 (Section 4.11 on page 62). Select the cassette before entering the total mode.

When entering the POS Function menu, select an operator by pressing the operator preset key when prompted.

Parameter	Display	Description	Choices
S07-01 Float	S07-01-01 Amount	Enter the dollar amount. Press **Enter**.	**0.00**
S07-02 Account	S07-02-01 Float Next Day	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-02-02 Total	View total amount.	**0.00**
	S07-02-04 Grand Total	View grand total amount.	**0.00**
	S07-02-05 Cash	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-02-06 Other Cash	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-02-07 Credit	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-02-08 Coupon	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-02-09 – S07-02-24 Additional Disbursement	View additional disbursement amounts.	**0.00**
S07-03 Uplifts	S07-03-01 Total	View total amounts.	**0.00**
	S07-03-03 Grand Total	View grand total amount.	**0.00**
	S07-03-04 Cash	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-03-05 Other Cash	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-03-06 Credit	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-03-07 Coupon	Enter the dollar amount. Press **Enter**.	**0.00**
	S07-03-08 – S07-03-23 Additional Disbursement	View additional disbursement amounts.	**0.00**
S07-04 Receipts	S07-04-01 Description	Press **Edit** and enter a description to print on the report. Then press **Enter** to save or **CLR** to cancel.	**[Edit]**
	S07-04-02 Amount	Enter the dollar amount. Press **Enter**.	**0.00**
S07-05 Expenses	S07-05-01 Description	Press **Edit** and enter a description to print on the report. Then press **Enter** to save or **CLR** to cancel.	**[Edit]**
	S07-05-02 Amount	Enter the dollar amount. Press **Enter**.	**0.00**

Table 6-3. S07 POS Function Parameters

7.0 Total Mode

7.1 Enter/Exit Total Mode

Enter ***8000*** and press **Mode** to enter the Total mode menu. To exit the Total mode, press **Mode**.

To print total reports on continuous paper configure a cassette for “Receipt” in Label Spec step B12-02 Label Type (page 62). Select the cassette before entering the totals mode.

The Default password 8000 can be changed in the Setup menu step B31-Mode Access Code (Section 4.24 on page 79).

Total Mode Main Menu Screen

The Total Mode for this device includes the following parameters:

F01	Sales Daily Total	F07	Cumulative Total
F02	Sales Weekly Total	F09	Preset Report
F03	Sales Cumulative Total	F10	POS Report
F05	Daily Total	F11	Drawer Report
F06	Weekly Total	F12	Total Clear

Use the **Up** and **Down** arrow keys to select a parameter within the Total menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

Example:

1. From the total mode main menu screen, press the **Down** arrow to scroll to ***P05 PROD. DAILY TOTAL.***

2. Press **Enter** to enter ***P05-01 TOTAL***.

3. Press the **Down** arrow four times to scroll to ***P05-05 PLU No***.

4. Enter the PLU number and press **PLU**, then press **PRINT**.

5. Repeat Step 4 as needed.

6. Press **Mode** three times to exit.

7.2 F01-Sales Daily Total

Sales Daily Total is available only when the scale is configured in Cash Register mode. Print the total at the end of the day to obtain the total of various sales transactions performed for the day. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F01 Sales Daily Total	F01-01 Total	Press **Print** to print the data.
	F01-02 Hour	Press **Print** to print the data.
	F01-03 Department	Press **Print** to print the data.
	F01-04 Group	Press **Print** to print the data.
	F01-05 PLU Number	Enter a desired PLU number. Press **Print** to print data.
	F01-06 Operator	Press **Print** to print the data.
	F01-10 Rewrap	Press **Print** to print the data.
	F01-11 Promo	Press **Print** to print the data.
	F01-12 Return	Press **Print** to print the data.
	F01-13 Deposit	Press **Print** to print the data.
	F01-14 VAT	Press **Print** to print the data.
	F01-15 Void Op	Press **Print** to print the data.
	F01-16 Void PLU	Press **Print** to print the data.
	F01-17 Stamp	Press **Print** to print the data.
	F01-18 Minus	Press **Print** to print the data.
	F01-19 Non Add	Press **Print** to print the data.

Table 7-1. F01 Sales Daily Total Parameters

7.3 F02-Sales Weekly Total

Sales Weekly Total is available only when the scale is configured in Cash Register mode. Print the total at the end of the week to obtain the total of various sales transactions performed for the week. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F02 Sales Weekly Total	F02-01 Weekdays	Press **Print** to print the data.
	F02-02 Sunday	Press **Print** to print the data.
	F02-03 Monday	Press **Print** to print the data.
	F02-04 Tuesday	Press **Print** to print the data.
	F02-05 Wednesday	Press **Print** to print the data.
	F02-06 Thursday	Press **Print** to print the data.
	F02-07 Friday	Press **Print** to print the data.
	F02-08 Saturday	Press **Print** to print the data.

Table 7-2. F02 Sales Weekly Total Parameters

7.4 F03-Sales Cumulative Total

Sales Cumulative Total is available only when the scale is configured in Cash Register mode. Print the total at the end of the day to obtain the total of various sales transactions performed for the current period. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F03 Sales Cumulative Total	F03-01 Total	Press **Print** to print the data.
	F03-02 Department	Press **Print** to print the data.
	F03-03 Group	Press **Print** to print the data.
	F03-04 Operator	Press **Print** to print the data.
	F03-05 VAT	Press **Print** to print the data.
	F03-06 Void Op	Press **Print** to print the data.
	F03-07 Void PLU	Press **Print** to print the data.

Table 7-3. F03 Sales Cumulative Total Parameters

7.5 F05-Production Daily Total

Print Production Daily Total at the end of the day to obtain the total of various transactions performed for the day. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F05 Production Daily Total	F05-01 Total	Press **Print** to print the data.
	F05-02 Hour	Press **Print** to print the data.
	F05-03 Department	Press **Print** to print the data.
	F05-04 Group	Press **Print** to print the data.
	F05-05 PLU Number	Enter a desired PLU number. Press **Print** to print data.
	F05-06 Operator	Press **Print** to print the data.
	F05-10 Rewrap	Press **Print** to print the data.
	F05-11 Promo	Press **Print** to print the data.

Table 7-4. F05 Daily Total Parameters

7.6 F06-Production Weekly Total

Print Production Weekly Total to obtain the total of various transactions performed for the week. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F06 Production Weekly Total	F06-01 Weekdays	Press **Print** to print the data.
	F06-02 Sunday	Press **Print** to print the data.
	F06-03 Monday	Press **Print** to print the data.
	F06-04 Tuesday	Press **Print** to print the data.
	F06-05 Wednesday	Press **Print** to print the data.
	F06-06 Thursday	Press **Print** to print the data.
	F06-07 Friday	Press **Print** to print the data.
	F06-08 Saturday	Press **Print** to print the data.

Table 7-5. F06 Weekly Total Parameters

7.7 F07-Production Cumulative Total

Print Production Cumulative Total to obtain the total of various transactions performed for the current period. If the total is not cleared, it will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.

Press **Print** to print the report.

Parameter	Display	Description
F07 Production Cumulative Total	F07-01 Total	Press **Print** to print the data.
	F07-02 Department	Press **Print** to print the data.
	F07-03 Group	Press **Print** to print the data.
	F07-04 Operator	Press **Print** to print the data.

Table 7-6. F07 Cumulative Total Parameters

7.8 F09-Preset Report

Preset Report is used to print various preselected reports at one time.This report is available for Daily, Weekly and Cumulative totals. Preset Reports are designated in the Setup menu, step B06 Preset Report (page 53).

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F09 Preset Report	F09-01 Preset Report	--
	F09-02 Daily	Press **Print** to print the data.
	F09-03 Weekly	Press **Print** to print the data.
	F09-04 Cumulative	Press **Print** to print the data.

Table 7-7. F09 Preset Report Parameters

7.9 F10-POS Report

POS Report is available only when the scale is configured in Cash Register mode. Print totals at the end of the day to obtain the total of various sales transactions performed that day. If the totals are not cleared, they will continue to accumulate.

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F10 POS Report	F10-01 POS Function Total	Press **Print** to print data.

Table 7-8. F10 POS Report Parameter

7.10 F11-Drawer Report

Drawer Report is available only when the scale is configured in Cash Register mode. Print totals at the end of the day to obtain the total of various sales transactions performed that day. If the totals are not cleared, they will continue to accumulate.

Note ***The Uni-3 must be configured with a USB memory stick to save the Drawer Report totals.***

1. Use the **Up** and **Down** arrows to select the desired report.
2. Press **Print** to print the report.

Parameter	Display	Description
F11 Drawer Report	F11-01 Drawer Report	Press **Print** to print data.

Table 7-9. F11 Drawer Report Parameter

7.11 F12-Total Clear

Total Clear operation is used to clear the specified total data.

1. Use the **Up** and **Down** arrows to select the data to be cleared.
2. Press **Zero** to clear the data.

Parameter	Display	Description
F12 Total Clear	F12-01 Daily	Press **Zero** to clear the data.
	F12-02 Weekly	Press **Zero** to clear the data.
	F12-03 Cumulative	Press **Zero** to clear the data.
	F12-04 Traceability	Press **Zero** to clear the data.
	F12-06 POS Report*	Press **Zero** to clear the data.
	F12-07 Drawer Report*	Press **Zero** to clear the data.
	*Only Available when the scale is configured in Cash Register mode.	

Table 7-10. F12 Total Clear Parameters

3. The confirmation screen is displayed.
4. Press **Enter** to continue, or **CLR** to go back.

8.0 Program Mode

8.1 Enter/Exit Program Mode

Enter ***9000*** and press the **Mode** key to enter the main menu in the program mode.To exit the program mode, press the **Mode** key.

Note ***The default password 9000 can be changed in the Setup menu step B31-Mode Access Code (Section 4.24 on page 79).***

Program Mode Main Menu Screen

The Program Mode for this device includes the following parameters:

P01 PLU	P13 Extra Message 3	P29 Free Message 8
P02 Campaign	P14 Coupon Message	P30 Free Message 9
P03 Operator Data	P15 POP Message	P31 Free Message 10
P04 Preset Key	P19 Lookup Table	P32 Free Message 11
P05 AD MSG	P21 Fixed Price	P33 Free Message 12
P06 Store Data	P22 Free Message 1	P34 Free Message 13
P07 Department Name	P23 Free Message 2	P35 Free Message 14
P08 Group Name	P24 Free Message 3	P36 Free Message 15
P09 Cooking Time	P25 Free Message 4	P37 Check Label
P10 Nutrition	P26 Free Message 5	P38 Stamp Price
P11 Extra Message 1	P27 Free Message 6	
P12 Extra Message 2	P28 Free Message 7	

Use the **Up** and **Down** arrow keys to select a parameter within the Adjustment menu. Press the **Enter** key to enter the parameter. Use the **Up** and **Down** arrow keys to move through the menu options. Use the **Left** and **Right** arrow keys (or key in the corresponding number) to select the appropriate choice.

Example:

1. From the program mode main menu screen, press the **Down** arrow four times to scroll to ***P04 PRESET KEY.***
2. Press **Enter** to enter ***P04-01 P FLG***.
3. Press **PLU** to scroll through the list of functions.

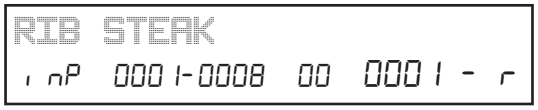
Note ***Alternatively, if the function number is known, key in the number and press PLU.***

*Example: To select Coupon Message, Flag 11, key in 11 on the numeric keyboard and press **PLU**.*

4. If the function includes a data value, such as a **PLU** number or tare weight, enter the desired value. If not, enter **0**.
5. Press the desired preset key to program the function.
6. Repeat Steps 3-5 as needed.
7. Press **Mode** to exit.

8.2 P01-PLU Data

1. From the program mode main menu screen, press the down arrow once to scroll to ***P01 PLU.***
2. Press **Enter** to display ***PLU P01-00***.
3. Enter the PLU number.
4. Press **PLU**.
5. Press **Enter** to confirm a new item.
6. The ***Sale 1*** screen displays.
7. Press **Edit** to enter or edit the PLU description.
8. Edit text. See Section 10.2 on page 118.
9. Press **Enter**.
10. Press **Enter** to enter the lower level menus.



Parameter	Display	Description	Choices
P01-01 Sale1 (The steps displayed in this section change based on the Sales Mode)	P01-01-01 Sales Mode	Enter the desired sales mode number. Press **Enter**. To delete the PLU press **Zero** at this step.	**0: WEIGHT** 1: FIX PRI 2: WGT F/PRI 3: CASE WGT
	P01-01-02 Markdown Mode	Enter the desired markdown mode number. Press **Enter**. 0: NORMAL for no markdown. 1: SPECIAL, 2: -$, and 3: -% apply to the total price and are used for fixed price PLUs. 4: SPEC. U/P, 5. U/P -$, and 6: U/P -% apply to the unit price and are used for weighed PLUs.	**0: NORMAL** 1: SPECIAL 2: -$ 3: -% 4: SPEC. U/P 5. U/P -$ 6: U/P -%
	P01-01-03 Open Price	Enter the open price mode number to select whether or not to allow the operator to change the price. Press **Enter**.	**0: YES** 1: NO
	P01-01-04 Unit Price	Enter the unit or fixed price. Press **Enter**. To change the price of another **PLU**, enter the number and press the **PLU** key. Then enter the new price and press **Enter**. Repeat to change other **PLU** prices.	**0.00**
	P01-01-05 Markdown Amount	Enter the markdown amount. Press **Enter**. Data format is X.XX for price and X.X for percent. This step is only accessible if a markdown Mode has been set in step P01-01-02.	--
	P01-01-06 Quantity	Enter the quantity for fixed price items. Press **Enter**.	**0**

Table 8-1. P01 PLU Data

Parameter	Display	Description	Choices
P01-01 Sale1 (The steps displayed in this section change based on the Sales Mode)	P01-01-07 Unit Type	Select the unit type to be used in the Pieces statement for fixed price PLUs. A singular unit for one piece is available as well as a plural unit for multiple items. The list can be edited in step P21 Fix Price Symbol, see Section 8.16 on page 110.	**0: NO PRINT** 1: oz 2: lb 3: kg 4: g 5: PC 6: BOX 8: PACK 9: CUT 11: CUP 12: PKT 13: BAG 16: LB
	P01-01-08 Tax	Enter a tax table value. Press **Enter**. Tax rates are programmed in step B29 Tax, see Section 4.23 on page 78.	**0**
	P01-01-09 Fixed Weight	Enter a bakery weight in ounces for fixed price items. Press **Enter**.	**0**
	P01-01-10 Tare Weight	Enter the tare weight. Press **Enter**.	**0.000**
	P01-01-11 2nd Tare	Enter the second tare weight. Press **Enter**. This step is only accessible if the Uni-3 is configured to use the second tare in step B17-02-02 Tare Select, see Section 4.14 on page 67.	**0.000**
	P01-01-12 % Tare	Enter the tare percentage. Press **Enter**. Format is X.X%	**0.0**
	P01-01-13 Forced Tare	Enter the forced tare mode number. Press **Enter** to select whether or not a tare weight is required to print a label.	1: YES **2: NO**
	P01-01-14 Lower Weight	Enter the lower weight limit to be used for checking weighing. Press **Enter**.	**0.000**
	P01-01-15 Upper Weight	Enter the upper weight limit to be used for checking weighing. Press **Enter**.	**0.000**
P01-02 Sale2	P01-02-06 Point Flag	Enter the mode number. Press **Enter** to select whether or not to use the point flag. Points are not used in the USA.	**0: OFF** 1: ON
	P01-02-07 Point Type	Enter the mode number. Press **Enter** to select the desired point type. Points are not used in the USA.	**0: WEIGHT** 1: FIXED WEIGHT
	P01-02-08 Points	Enter a desired number. Press **Enter**. Points are not used in the USA.	**0**
P01-03 Message	P01-03-01 Nutrition	Enter the desired Nutrition Facts number. Press **Enter** to select.	**0**
	P01-03-02 —P01-03-04 Xtra MSG 1-3	Enter the desired Extra Message number. Press **Enter** to select.	**0**
	P01-03-05 Coupon MSG	Enter the desired Coupon Message number. Press **Enter** to select.	**0**
	P01-03-06 POP MSG	Enter the desired POP Message number. Press **Enter** to select.	**0**
	P01-03-07 Cook Time	Enter the desired Cook Time number. Press **Enter** to select.	**0**
	P01-03-08 —P01-03-22 FREEMSG01-22	Enter the desired Free Message number. Press **Enter** to select.	**0**
	P01-03-23 Nutritional Text	Nutritional Text is not used in the USA.	**0**
P01-04 Image	P01-04-01—P01-04-03 Image1-3	Enter the image number to print on the label. The label format must be configured to support variable images. Press **Enter** to select.	**0**
	P01-04-05 S H IMG	Leave at 0. The Safe Handling image is specific in the label format.	**0**
	P01-04-06 S H IMG PRN	Enter the mode number. Press **Enter** to select whether or not to print the image in the Safe Handling Image Print display.	1: NO PRINT **2: PRINT**

Table 8-1. P01 PLU Data (Continued)

Parameter	Display	Description	Choices
P01-05 Print	P01-05-01 First Label Format (M)	Enter the desired format number for Manual print mode. Press **Enter**. If left at **0**, the format specified in cassette step B11-04 is used, Section 4.10 on page 61.	**0**
	P01-05-02 Second Label Format	Enter the desired second format number. Press **Enter**. If left at **0**, the format specified in the cassette step B11-13 is used, Section 4.10 on page 61.	**0**
	P01-05-03 First Label Format (A)	Enter the desired label format number Auto print mode. Press **Enter**. If left at **0**, the format specified in step P01-05-01 is used.	**0**
	P01-05-04 1st Label Print	Enter the mode number. Press **Enter** to select whether or not to print the first label.	**1: YES** 2: NO
	P01-05-05 2nd Label Print	Enter the mode number. Press **Enter** to select whether or not to print the second label.	1: YES **2: NO**
P01-06 Date	P01-06-01 Pack Date Print	Enter the mode number. Press **Enter** to select whether or not to print the packed date.	**1: YES** 2: NO
	P01-06-02 Pack Time Print	Enter the mode number. Press **Enter** to select the desired pack time printing method.	**0: NO PRINT** 1: DESIGNATE 2: CLOCK
	P01-06-03 Pack Time Data (HH:MM)	This field is only available when 1: DESIGNATE is selected in Pack Time Print P01-06-02. Enter the time in 24 hour format HHMM and press **Enter**.	**0000**
	P01-06-04 Sell By Date Print	Enter the mode number. Press **Enter** to select whether or not to print the sell by date.	**1: YES** 2: NO
	P01-06-05 Sell By Time Print	Enter the mode number. Press **Enter** to select the desired sell by time printing method.	**0: NO PRINT** 1: DESIGNATE 2: RELATIVE
	P01-06-06 Sell By Time Data	Enter either the time HHMM (1: Designate) or minutes (2: Relative) and press **Enter**. Data format is based on P01-06-05 Sell By Time Print setting.	**00:00**–23:59 (Designate) **0**–1439 (Relative [min])
	P01-06-07 Shelf Life (Days)	This field is available only when 1: YES is selected in Sell By Date Print P01-06-04. Enter the number of days and press **Enter**.	**1**
	P01-06-08 Use by Date Print	Enter the mode number. Press **Enter** to select whether or not to print the use by date.	1: YES **2: NO**
	P01-06-09 Use by Date	This field is available only when 1: YES is selected in Use by Date Print P01-06-08. Enter the number of days and press **Enter**.	**0**
P01-07 Code	P01-07-01 Item Code 8 DIGITS	Enter an item code. Press **Enter**.	**00000000**
	P01-07-02 Register code	Enter the register code. Press **Enter**.	**0**
	P01-07-03 POS Flag	This field is available only when 1: PLU File is selected in POS Reference P01-07-05.	**02**
	P01-07-04 Barcode (GTIN) 14 Dig	Enter a barcode number. Press **Enter**.	**00000000000000**
	P01-07-05 POS Reference	Enter the mode number. Press **Enter** to select the desired reference method. 0: Use the default barcode settings from B14 in the Setup menu, see Section 4.13 on page 63. 1: Set the barcode parameters in the PLU.	**0: REFER** 1: PLU FILE
	P01-07-06 Barcode Type	Enter the desired barcode type number. Press **Enter**.	**0: REFER** 1: EAN/UPC 13 2: EAN/UPC 8 3: 10 DIGITS 13 4: 5 DIGITS 8 5: GS1 6: GS1 ST 7: GS1 STO 8: GS1 LIM 9: GS1 EXP 10: ITF 11: CODE 128 12: EAN 128

Table 8-1. P01 PLU Data (Continued)

Parameter	Display	Description	Choices
P01-07 Code	P01-07-07 POS Format	Enter desired barcode format number. Press **Enter**. If left at **0**, the format specified in the barcode step B14-02-05 or B14-02-06 is used, Section 4.13 on page 63. C: Product Code F: Flag I: PLU Number O: Operator P: Price Q: Quantity of Pieces R: Receipt Number S: Scale Number W: Weight WQ: Weight or Quantity (based on sales mode) d: Check Digit p: Price Check Digit w: Weight Check Digit wq: Weight or Quantity Check Digit (based on sales mode) 0: Fixed Zero /10: Divide by 10 Note ***10: F2C6P4d [FFCCCCCCPPPP(c/d)]*** ***FF value changes depending on the Price value:*** ***22: Price more than 99999*** ***21: Price more than 9999*** ***20: All other prices*** ***11: F2C6W4d (FFCCCCCCWWWW(c/d)]*** ***FF value changes depending on the Weight value:*** ***25: Price more than 99999*** ***24: Price more than 9999*** ***23: All other weights***	**0: REFER** 1: F2C5pP4d 2: F2C6P4d 3: F1C6pP4d 4: F2C5P5d 5: F1C6P5d 6: F2C4pP5d 7: F2C6W4d 8: F1C6W5d 9: F1C5I6d 10: F2C6P4d 11: F2C6W4d 12: F2C4wW5d 15: F2C50P4d 16: F2C5W5d 17: F2C5P5/10d 18: F2C5pP4/10d 19: F2C5wW4d 20: F1C5P6d 21: F2C4P6d 22: F1C3W4P4d 23: F2C4Q2P4d 24: F1I6P5d 25: F2I6P4d 26: F1C4P7d 27: F1I6P5/10d 28: F2I6P4/10d 29: F1C6P5/10d 30: F2C6P4/10d 31: F2C5Q5d 34: F2S1R3pP5d 35: F2S1C3pP5d 36: F1O2C4P5d 37: F2C5pP4d 38: F2O2C3P5d 39: F2O2C3W5d 40: F2C5P5d 41: F2C4wqWQ5d 43: F2C5WQ5d 44: F1C7WQ4d 45: F1C5W6d (wt.) F1C5Q3000d (f.p.) 46: F2C5W5d (wt.) F2C5Q2000d (f.p.)
	P01-07-08 Trace Enable	Enter the mode number. Press **Enter** to select whether or not to enable traceability data.	1: YES **2: NO**
	P01-07-10 Department Number	Enter desired department number. Press **Enter**.	**0**
	P01-07-11 Group Number	Enter desired group number. Press **Enter**.	**00**

Table 8-1. P01 PLU Data (Continued)

Parameter	Display	Description	Choices
P01-07 Code	P01-07-12 Format AI (EAN 128)	Specify the barcode format when using GS1 expanded. GTN: GS1 P: Price W: Weight SB: Sell by Date P8: 8-digit Price G: Gross Weight GTNPOS: GS1 (POS) Note ***An extra 0 is added at the front of the standard EAN13 barcode for a total of 14 digits. (GNTPOS: GS1 (POS) only)***	**1: GTN+P+W** 2: GTN+P+W+SB 3: GTN+W+P 4: GTN+W+SB+P 5: GTN+P 6: GTN+W 7: GTN+W+SB 8: GTN+P+SB 9: GTN+P8 10: GTN+W+P8+SB 11: N/A 12: GTNPOS 13: GTNPOS+SB 14: GTNPOS+W+SB 15: GTN-POS+W+G+SB 16: GTNPOS+SB+P 17: GTIN+G+UP 18: GTIN+G 19: GTIN
	P01-07-13 Format nonAI (Code 128)	Specify the barcode format when selecting code 128. C: Product Code D: Day F: Flag M: Month P: Price Q: Quantity of Pieces U: Unit Price W: Weight WQ: Weight or Quantity of Pieces (based on sales mode) Y: Year d: Check Digit 0: Fixed Zero	**1: C14** 2: C13d 3: F2C5P5WQ5d 4: F1C5P6WQ5d 5: F1C4P7WQ5d 6: C7U7W6 7: C7U700100d 8: F2CRP6W5d 9: F2C6P6W5d 10: F1C6WQ5P5d 11: F2C5U5W5d 12: F2C5U5WQ5d 13: D2M2Y2C6W5D 14: F2C5W5P5d 15: F1C5P6W5d 16: F1C5P6WQ5d 17: D2M2Y2C8W5d 18: C7WQ5P7d 19: C7P8WQ5 20: F2C5P6W4d 21: F2C5U5W40d
P01-08 Link	P01-08-01 Link PLU Number	This parameter is not used in the USA.	**0**

Table 8-1. P01 PLU Data (Continued)

8.3 P02-Campaign

Use Campaigns to change the prices of designated items for a specified period.

Parameter	Display	Description	Choices
P02-00 Campaign	--	Enter Campaign number and press **PLU**. Message **13001-0000 New Data** is displayed when a new campaign is created. Press **Enter** to continue or **CLR** to quit. Press the **Down Arrow** key to view and select existing campaigns. Press the **Zero** key to delete the selected campaign.	--
P02-01 Schedule	P02-01-01 Schedule Type	Enter schedule type and press **Enter**. 0: DATE is used to specify a starting date and time and an ending date and time for the campaign. 1: DLY/WKLY (Daily/Weekly) is used to set the time period and on which days the campaign is active. For example, 11:00 to 14:00 for lunch.	**0: DATE** 1: DLY/WKLY
	P02-01-02 Start Date	Enter desired start date in MMDDYYYY and press **Enter**. This step is not available if P02-01-01 is set as 1: DLY/WKLY.	--
	P02-01-03 Start Time	Enter desired start time in HH:MM (24 hour format). Press **Enter**.	--
	P02-01-04 End Date	Enter desired end date in MMDDYYYY and press **Enter**. This step is not available if P02-01-01 is set as 1: DLY/WKLY.	--
	P02-01-05 End Time	Enter desired end time in HH:MM (24 hour format). Press **Enter**.	--
	P02-01-06 Day Select Sunday	Select if the PLUs in the campaign are marked down on Sunday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-07 Day Select Monday	Select if the PLUs in the campaign are marked down on Monday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-08 Day Select Tuesday	Select if the PLUs in the campaign are marked down on Tuesday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-09 Day Select Wednesday	Select if the PLUs in the campaign are marked down on Wednesday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-10 Day Select Thursday	Select if the PLUs in the campaign are marked down on Thursday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-11 Day Select Friday	Select if the PLUs in the campaign are marked down on Friday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
	P02-01-12 Day Select Saturday	Select if the PLUs in the campaign are marked down on Saturday. This option is only available when P02-01-01 is set as 1: DLY/WKLY.	**0: OFF** 1: ON
P02-02 Data	P02-02-01 Call PLU	Enter desired PLU number and press **PLU**.	--
	P02-02-02 PLU Name and Number	Displays the PLU name and number for confirmation	--
	P02-02-03 MD Mode	Enter the desired Markdown mode and press **Enter**. Note ***Modes 1, 2, 3, and 17 are for fixed price items. Modes 4, 5, 6 and 16 are for weighed items.*** Note ***Modes 16 and 17 are used to change the price without printing the pre-markdown price on the label.***	**1: SPECIAL** 2: -$ 3: -% 4: SPEC. U/P 5: U/P -$ 6: U/P -% 16: Unit Price 17: Fixed Price
	P02-02-04 MD PRI	Enter the desired dollar or percentage amount and press **Enter**. Data format is X.XX for dollar amount and X.X for percentage amount.	--

Table 8-2. P02 Campaign

8.4 P03-Operators

Program Operators for use when the Uni-3 is configured for Operator mode. Operators must be assigned to preset keys to print labels.

Display	Description	Choices
P03-00 Operator	Enter the Operator number and press **PLU** to display desired Operator data. If the operator is new, press **Enter** to add the operator, or **Clear** to go back.	--
P03-01 Operator/Detail Screen	Press **Edit** to program the operator name. See Section 10.2 on page 118.	--
P03-02 Password	Enter the 4-digit numeric value. Press **Enter.**	**0000**
P03-03 Delete	Press **Zero** to delete the operator.	--

Table 8-3. P03 Operators

8.5 P04-Preset Key Registration

Assign presets (PLU number, tare weight, etc.) and function keys (price change, multiply, etc.) to the Uni-3 keyboard.

Display	Description	Choices
P04-01 P FLG	Enter the Key Flag No. and press the **PLU** key to set the function. If the function requires a value, such as PLU number or Tare weight, enter the value; otherwise, enter 0. Press the desired key to assign the function. The preset key has been registered. Repeat the steps as needed for additional preset keys.	**0000**

Table 8-4. P04 Preset Key Registration

Key Flag No.	Preset Key	Description
1	PLU	Assign a PLU to a key for quick call up
2	Tare	Assign a tare weight to a key for quick call up
3	F/P	Fixed price change; Requires Open Price set as Yes
4	MULTI	Use to set number of pieces to be purchased
5	Special	Special price; Requires Open Price set as Yes
6	-$	Subtract a dollar amount from the total price; Requires Open Price set as Yes
7	-%	Subtract a percentage amount from the total price; Requires Open Price set as Yes
8	Save	Prevents a PLU from clearing after printing a label
9	POP	POP Message
10	Void	Void the last date/void the assigned date
11	Coupon	Coupon Message
15	Subtotal Display	Subtotal Display
16	Extra1	Extra Message 1
17	Extra2	Extra Message 2
18	Extra3	Extra Message 3
19	F/P+Weigh	Fixed Price + Weigh Price Change. Requires Open Price set as Yes
20	SP. (U/P)	Enter Special Unit Price (markdown); Requires Open Price set as Yes
22	Format 1	Change label format 1
23	Image 1	Change logo image 1
24	Image 2	Change logo image 2
25	-Price (U/P)	Subtract a dollar amount from the unit price; Requires Open Price set as Yes
26	Peel MD	Displays the current Peel Sensor status: INDIV (on) or W/BACK (off)
27	Label Batch	Specify fixed price PLUs and label quantity to print a batch
28	Operator	Operator
32	U/P	Unit price change; Requires Open Price set as Yes

Table 8-5. Preset Key List

Key Flag No.	Preset Key	Description
33	P Date	Enter a temporary Pack date, format is DD, MMDD, or MMDDYYYY
34	S Date	Enter a temporary Sell By date, format is DD, MMDD, or MMDDYYYY
36	Open Drawer	Open the cash drawer when the scale is configured in CR mode
37	Bar Y/N	Choose to print barcode or not
43	Total Display	Total display
45	Image 3	Change logo image 3
47	Free1	Free Message 1
48	Free2	Free Message 2
49	Free3	Free Message 3
50	Free4	Free Message 4
51	Free5	Free Message 5
52	Free6	Free Message 6
53	Free7	Free Message 7
54	Free8	Free Message 8
55	Free9	Free Message 9
56	Free10	Free Message 10
57	Free11	Free Message 11
58	Free12	Free Message 12
59	Free13	Free Message 13
60	Free14	Free Message 14
61	Free15	Free Message 15
63	Receipt Copy	Reissue a receipt
66	-% (U/P)	Subtract a percentage amount from the unit price; Requires Open Price set as Yes
70	Cassette	Display the current label cassette number
71	SH Flag	Safe Handling on/off
72	Case Weight	Change an item to allow a manual (fixed) weight entry; Requires Open Price set as Yes
75	Auto Print Mode	Toggle the print mode between manual and automatic (prepack)
76	PLU No.	Press to temporarily display the PLU number
77	1/2	Change to pricing by the half-pound; this parameter is not available in the USA
78	Total Add	Total (add/non add)
79	Trace	Traceability
80	Passport	Traceability passport
81	Receipt Subtotal	Receipt subtotal
82	With/Without Receipt	Receipt print (yes/no)
83	Receipt Delete	Cancel transaction
85	Credit	Credit payment in CR mode
86	Other than Cash	Check/credit
87	Coupon Pay	Payment by coupon
89	Tax Print	Tax print (yes/no)
91	Currency Select	Currency select
93	CSIS Online	Set a satellite scale online/offline
98	Receipt Trace	Issue a traceability receipt
99	Man. Wt. oz	Temporarily change the fixed bakery weight
100	Charge +	Add a dollar amount to the subtotal price; Requires Open Price set as Yes
101	Charge+%	Add a percentage amount to the subtotal price; Requires Open Price set as Yes
102	Data distribution	Send data from a master scale to the satellite scales
103	-Price subtot	-Price subtotal
104	-%Subtot	-% subtotal
105	Preset-Price Subtot	Subtract an assigned dollar amount from the subtotal

Table 8-5. Preset Key List (Continued)

Key Flag No.	Preset Key	Description
106	Preset %Subtot	Subtract an assigned percent amount from the subtotal
107	Mince	Mince (grind)
109	Return Item	Returning item
113	Stamp+	Stamp on coupon
114	Customer	Customer
115	Payment	Payment by coupon
116	Minus	Minus PLU
117	Auto PLU	Temporarily disable auto PLU call to make a numeric entry
118	Cash	Cash
120	Receipt No. Reset	Reset the receipt number
132	Log In/Out	Operator log in or log out
134	Receipt Trace	Trace the receipt
136	Lot No.	Program lot number
137	Print QTY	Set the quantity of fixed price labels to print
143	Print Nutrition	Print only nutrition
144	Nutrition PRT Y/N	Print only nutrition Yes/No; this parameter is not available in the USA
153	OCR	This parameter is not available in the USA
154	Line UP	Move the display one line up in CR mode
155	Line DN	Move the display one line down in CR mode
156	Lower Preset	Use to select the second PLU assigned to a preset key
157	Mode Key	Mode key
158	Target QTY	Key to set the target quantity
159	Target WGT	Key to set the target weight
160	Target PRI	Key to set the target price
161	Target Cancel	Key to cancel the target
162	Fixed WGT	Key to enter a fixed weight; this parameter is not available in the USA
164	Charge+ 2	Add cost to subtotal in $ (second currency)
165	Charge+% 2	Add cost to subtotal in % (second currency)
166	Charge p+	Add an assigned cost to subtotal in $
167	Charge p+%	Add an assigned cost to subtotal in %
168	Charge p+ 2	Add an assigned cost to subtotal in $ (second currency)
169	Charge p+% 2	Add an assigned cost to subtotal in % (second currency)
170	-p $	Subtract an assigned dollar amount from the total price
171	-p %	Subtract an assigned percentage amount from the total price
172	Head Usage	Display the printed label length in km (same as step C07-01-03)
173	-p Special	Set an assigned special total price amount; Requires Open Price set as Yes
174	-p Spcl (U/P)	Subtract an assigned Special unit price; Requires Open Price set as Yes
175	-p -$ (U/P)	Subtract an assigned unit price; Requires Open Price set as Yes
176	-p -% (U/P)	Subtract an assigned unit price percentage; Requires Open Price set as Yes
177	Sleep	Toggle on/off the display; the third triangle mark from the left on the operator display indicates the Sleep mode is active
435	Cassette Switch	Change to a different label cassette number; assign a cassette number 1 to 7 to the preset key

Table 8-5. Preset Key List (Continued)

8.6 P05-Ad Message

Program and display up to 99 advertising messages on the customer display when the scale is not in use.

Ad messages are only available for Uni-3L2 models.

Display	Description	Choices
P05-00 Ad MSG.	Enter the Ad Message number and press **PLU** to display desired Ad Message data. If the Ad Message is new, press **Enter** to add the Ad Message, or **Clear** to go back.	--
P05-01 Edit	Press **Edit** to program the Ad Message name. See Section 10.2 on page 118.	--
P05-02 Display Type	Enter the desired message display type and press **Enter**.	**0: NONE** 1: SCROLL 2: FLASH
P05-03 Speed	Enter the desired message display speed and press **Enter**. Messages increment by one dot for speeds 0-3. Messages increment by one character for speed 4. Approximate time in seconds for a scroll message character to cross the customer display for each selection: Fast: 9, medium: 13, slow: 18, Fast2: 6, Char: 4.	**0: FAST** 1: MEDIUM 2: SLOW 3: FAST2 4: CHAR
P05-04 Count	Enter the desired number of times for the Ad Message to be displayed and press **Enter**.	0–999 (**1**)
P05-05 Delete	Press **Zero** to delete selected Ad Message.	--

Table 8-6. P05 Ad Message

8.7 P06-Store Data

Program and set the store name and address that print on the label.

Display	Description	Choices
P06-00 Store No.	Enter the store number and press **PLU** to display the desired store data.	0–9999 (**9999**)
13001-0000 Set Up New Data	If the store is new, the confirmation screen is displayed. Press **Enter** to add the store, or **Clear** to go back. Note ***If an existing store has been requested, P06-01 displays the store name. Press Edit to edit data.***	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--
P06-01 Name	Press **Edit** to edit store name.	--
P06-02 Address	Press **Edit** to edit store address.	--
P06-03 Delete	Press **Zero** to delete store.	--
P06-04 Printer1	Enter desired store number to print on labels.	0–9999 (**9999**)

Table 8-7. P06 Store Data

8.8 P07-Department

Program departments that are then used in the PLU file to designate where totals are accumulated for the purpose of reports printed at the Uni-3.

Display	Description	Choices
P07-00 Department Number	Enter the Department number and press **PLU** to display desired department data.	--
13001-0000 Set Up New Data	If the department is new, the confirmation screen is displayed. Press **Enter** to add the department, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected department number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-8. P07 Department

8.9 P08-Group

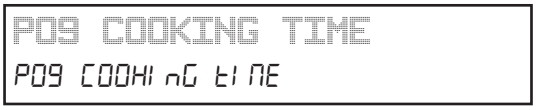
Program groups that are then used in the PLU file to designate where totals are accumulated for the purpose of reports printed at the Uni-3.

Display	Description	Choices
P08-00 Group Number	Enter the group number and press **PLU** to display desired group data.	--
13001-0000 Set Up New Data	If the group is new, the confirmation screen is displayed. Press **Enter** to add the group, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected group number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-9. P08 Group

8.10 P09-Cooking Time

The cooking time calculation is not used in the USA.



Display	Description	Choices
P09-00 Cooking Time	Enter the Cooking Time number and press **PLU** to display desired cooking time. If the cooking time is new, the confirmation screen is displayed. Press **Enter** to add the cooking time or **Clear** to go back.	--
P09-00 Method	Press **Edit** to edit the cooking method. Press **Enter** when editing is complete.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--
P09-00 Time	Enter the desired base time and press **Enter.**	--
P09-00 Weight	Enter the desired weight to use with desired cooking method. Press **Enter.**	--

Table 8-10. P09 Cooking Time

8.11 P10-Nutrition

Enter nutrition data to be linked to a PLU. A label designed to support nutrition information must be used to print the data.

8.11.1 P10-Nutrition (2020)

The 2020 nutrition format is implemented from firmware version C2271M. In addition to a different set of entry fields, all data are entered in text format. The units (%, mg, etc.) must also be entered along with the values.

Display	Description	Choices
P10-00 Nutrition Number	Enter the nutrition number and press **PLU** to display the desired nutrition data.	--
13001-0000 Set Up New Data	If the nutrition data are new, the confirmation prompt is displayed. Press **Enter** to add the nutrition data or **Clear** to go back.	--
P10-01 Nutrition Number	The nutrition number is displayed.	--
P10-02 Serving Size	Press **Edit** to edit the serving size.	--
P10-03 Serving Size 2	Press **Edit** to edit the serving size 2. This parameter is not used in the USA.	--
P10-04 Servings Per Container	Press **Edit** to enter the servings per container.	--
P10-05 Calories	Press **Edit** to enter the calories.	--
P10-06 Total Fat	Press **Edit** to enter the total fat value.	--
P10-07 Total Fat Percent	Press **Edit** to enter the total fat percent.	--
P10-08 Saturated Fat	Press **Edit** to enter the saturated fat value.	--
P10-09 Saturated Fat Percent	Press **Edit** to enter the saturated fat percent.	--
P10-10 Trans Fat	Press **Edit** to enter the trans fat value.	--
P10-11 Cholesterol	Press **Edit** to enter the cholesterol value.	--

Table 8-11. P10 2020 Nutrition

Display	Description	Choices
P10-12 Cholesterol Percent	Press **Edit** to enter the cholesterol percent.	--
P10-13 Sodium	Press **Edit** to enter the sodium value.	--
P10-14 Sodium Percent	Press **Edit** to enter the sodium percent.	--
P10-15 Total Carbohydrates	Press **Edit** to enter the total carbohydrates value.	--
P10-16 Total Carbohydrates Percent	Press **Edit** to enter the total carbohydrates percent.	--
P10-17 Dietary Fiber	Press **Edit** to enter the dietary fiber value.	--
P10-18 Dietary Fiber Percent	Press **Edit** to enter the dietary fiber percent.	--
P10-19 Total Sugar	Press **Edit** to enter the total sugar value.	--
P10-20 Total Sugar Percent	Press **Edit** to enter the total sugar percent.	--
P10-21 Add Sugar	Press **Edit** to enter the added sugar value.	--
P10-22 Add Sugar Percent	Press **Edit** to enter the added sugar percent.	--
P10-23 Protein	Press **Edit** to enter the protein value.	--
P10-24 Vitamin D	Press **Edit** to enter the vitamin D value.	--
P10-25 Vitamin D Percent	Press **Edit** to enter the vitamin D percent.	--
P10-26 Calcium	Press **Edit** to enter the calcium value.	--
P10-27 Calcium Percent	Press **Edit** to enter the calcium percent.	--
P10-28 Iron	Press **Edit** to enter the iron value.	
P10-29 Iron Percent	Press **Edit** to enter the iron percent.	
P10-30 Potassium	Press **Edit** to enter the potassium value.	
P10-31 Potassium Percent	Press **Edit** to enter the potassium percent.	
P10-32 Nutrition Free 1	Press **Edit** to enter the nutrition free 1 value. This can be used for any non-required nutrition data.	
P10-33 Nutrition Free 1 Percent	Press **Edit** to enter the nutrition free 1 percent. This can be used for any non-required nutrition data.	
P10-34 Nutrition Free 2	Press **Edit** to enter the nutrition free 2 value. This can be used for any non-required nutrition data.	
P10-35 Nutrition Free 2 Percent	Press **Edit** to enter the nutrition free 2 percent. This can be used for any non-required nutrition data.	
P10-36 Nutrition Free 3	Press **Edit** to enter the nutrition free 3 value. This can be used for any non-required nutrition data.	
P10-37 Nutrition Free 3 Percent	Press **Edit** to enter the nutrition free 3 percent. This can be used for any non-required nutrition data.	
P10-38 Nutrition Free 4	Press **Edit** to enter the nutrition free 4 value. This can be used for any non-required nutrition data.	
P10-39 Nutrition Free 4 Percent	Press **Edit** to enter the nutrition free 4 percent. This can be used for any non-required nutrition data.	
P10-40 Nutrition Free 5	Press **Edit** to enter the nutrition free 5 value. This can be used for any non-required nutrition data.	
P10-41 Nutrition Free 5 Percent	Press **Edit** to enter the nutrition free 5 percent. This can be used for any non-required nutrition data.	

Table 8-11. P10 2020 Nutrition (Continued)

8.11.2 P10-Nutrition (Legacy)

The original nutrition format is used for firmware prior to version C2271M. From step P10-04 all data are entered as numeric values. It is not possible to enter the units (%, mg, etc.).

Display	Description	Choices
P10-00 Nutrition Number	Enter the nutrition number and press **PLU** to display the desired nutrition data.	--
13001-0000 Set Up New Data	If the nutrition data are new, the confirmation prompt is displayed. Press **Enter** to add the nutrition data or **Clear** to go back.	--
P10-01 Nutrition Number	The nutrition number is displayed	--
P10-02 Serving Size	Press **Edit** to edit the serving size.	--
P10-03 Serving Size 2	Press **Edit** to edit the serving size 2. This parameter is not used in the USA.	--
P10-04 Total Calories	Enter the total calories.	--
P10-05 Servings Per Container	Enter the servings per container.	--
P10-06 Calories From Fat	Enter the calories from fat.	--
P10-07 Total Fat	Enter the total fat value (g).	--
P10-08 Total Fat Percent	Enter the total fat percent.	--
P10-09 Saturated Fat	Enter the saturated fat value (g)	--
P10-10 Saturated Fat Percent	Enter the saturated fat percent.	--
P10-11 Cholesterol	Enter the cholesterol value (mg).	--
P10-12 Cholesterol Percent	Enter the cholesterol percent.	--
P10-13 Sodium	Enter the sodium value (mg).	--
P10-14 Sodium Percent	Enter the sodium percent.	--
P10-15 Trans Fat	Enter the trans fat value (g).	--
P10-16 Carbohydrates	Enter the carbohydrates value (g).	--
P10-17 Carbohydrates Percentage	Enter the carbohydrates percent.	--
P10-18 Dietary Fiber	Enter the dietary fiber value (g).	--
P10-19 Dietary Fiber Percent	Enter the dietary fiber percent.	--
P10-20 Protein	Enter the protein value (g).	--
P10-21 Protein Percent	Enter the protein percent.	--
P10-22 Sugars	Enter the sugar value (g).	--
P10-23 Sugars Pecent	Enter the sugar percent.	--
P10-24 Vitamin A Percent	Enter the vitamin A percent.	--
P10-25 Vitamin C Percent	Enter the vitamin C percent.	--
P10-26 Calcium Percent	Enter the calcium percent.	--
P10-27 Iron Percent	Enter the iron percent.	--

Table 8-12. P10 Nutrition

8.12 P11-P13 Extra Message Data 1-3

Program text messages such as ingredients, cooking instructions, country of origin, etc. in Extra Messages 1, 2, and 3. The message fields must be included in the label format and be large enough to print all the text.

Display	Description	Choices
P11-00 XTRA MSG1 P12-00 XTRA MSG2 P13-00 XTRA MSG3	Enter the Extra Message number and press **PLU** to display desired extra message data.	--
13001-0000 Set Up New Data	If the extra message is new, the confirmation screen is displayed. Press **Enter** to add the extra message, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected Extra Message. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-13. P11 - P13 Extra Message Data 1-3

8.13 P14-Coupon Message

Program text messages such as sales, etc. in Coupon Message. The message field must be included in the label format and be large enough to print all the text.

Display	Description	Choices
P14-00 Coupon MSG	Enter the Coupon Message number and press **PLU** to display desired coupon message data.	--
13001-0000 Set Up New Data	If the coupon message is new, the confirmation screen is displayed. Press **Enter** to add the coupon message, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-14. P14 Coupon Message

8.14 P15-POP Message

Enter text messages to be linked to a PLU. A label designed to support messages must be used to print the text.

Display	Description	Choices
P15-00 POP MSG	Enter the POP Message number and press **PLU** to display desired POP message data.	--
13001-0000 Set up New Data	If the POP message is new, the confirmation screen is displayed. Press **Enter** to add the POP message, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-15. P15 POP Message

8.15 P19-Lookup Table

The lookup table feature is not used in the USA.

Display	Description	Choices
P19-00 Lookup Table	Enter the Lookup Table number and press **PLU** to display desired lookup table data.	--
13001-0000 Set up New Data	If the lookup table is new, the confirmation screen is displayed. Press **Enter** to add the lookup table, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-16. P19 Lookup Table

8.16 P21-Fix Price Symbol

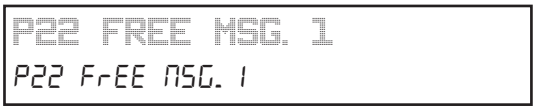
Fixed Price Symbols can be used in the Pieces statement for fixed price PLUs. A singular unit such as "BOX" and a plural unit such as "BOXES" can be added. The Fixed Price Symbol is selected in PLU step P01-01-07 Unit Type.

Display	Description	Choices
P21-00 F/P Symbol	Enter the Fix Price Symbol number and press **PLU** to display desired fixed price data. Press the **Down Arrow** to scroll through the existing Fix Price Symbols. (They are only visible on the Uni-3L2)	--
13001-0000 Set Up New Data	If the fix price symbol is new, the confirmation screen is displayed. Press **Enter** to add the fix price symbol, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-17. P21 Fix Price Table

8.17 P22-P36 Free Message 1-15

Program general text messages in Free Messages 1-15. The message field(s) must be included in the label format and be large enough to print all the text.



Display	Description	Choices
P22-00 FREE MSG 1 – P36-00 FREE MSG 15	Enter the Free Message number and press **PLU** to display desired free message data.	--
13001-0000 Set Up New Data	If the free message is new, the confirmation screen is displayed. Press **Enter** to add the free message, or **Clear** to go back.	--
InP 0001-0000	The Text Edit screen is displayed for the selected store number. Edit text according to the procedure described in Section 10.2 on page 118. Press **Enter** when editing is complete.	--

Table 8-18. P22 - P36 Free Message 1-15

8.18 P37-Check Label

Print labels to verify the PLU information and barcode scanning. Labels may be printed on the backing paper without any setting changes.

Display	Description	Choices
P37-01 Start Number	Enter desired start number. Press **Enter**.	**1**
P37-02 End Number	Enter desired end number. Press **Enter**.	**999999**
P37-03 Check Label Print	Press **Print** to check label.	--

Table 8-19. P37 Check Label

8.19 P38-Stamp Price Data

The stamp price feature is not used in the USA.

Display	Description	Choices
P38-01 Stamp	Enter desired stamp price. Press **Enter**.	**0.00**
P38-02 Reference	Enter desired reference price. Press **Enter**.	**0.00**

Table 8-20. P30 Stamp Price Data

9.0 Maintenance

9.1 Level Adjustment

CAUTION ***Ensure the machine is powered off before moving or adjusting the level of the scale.***

1. Place the machine on a stable platform.
2. Adjust the inclination of the machine by turning the four level adjustment legs until the spirit bubble is located in the center of the level gauge.
3. Confirm all four legs contact the platform and the scale does not rock side to side.

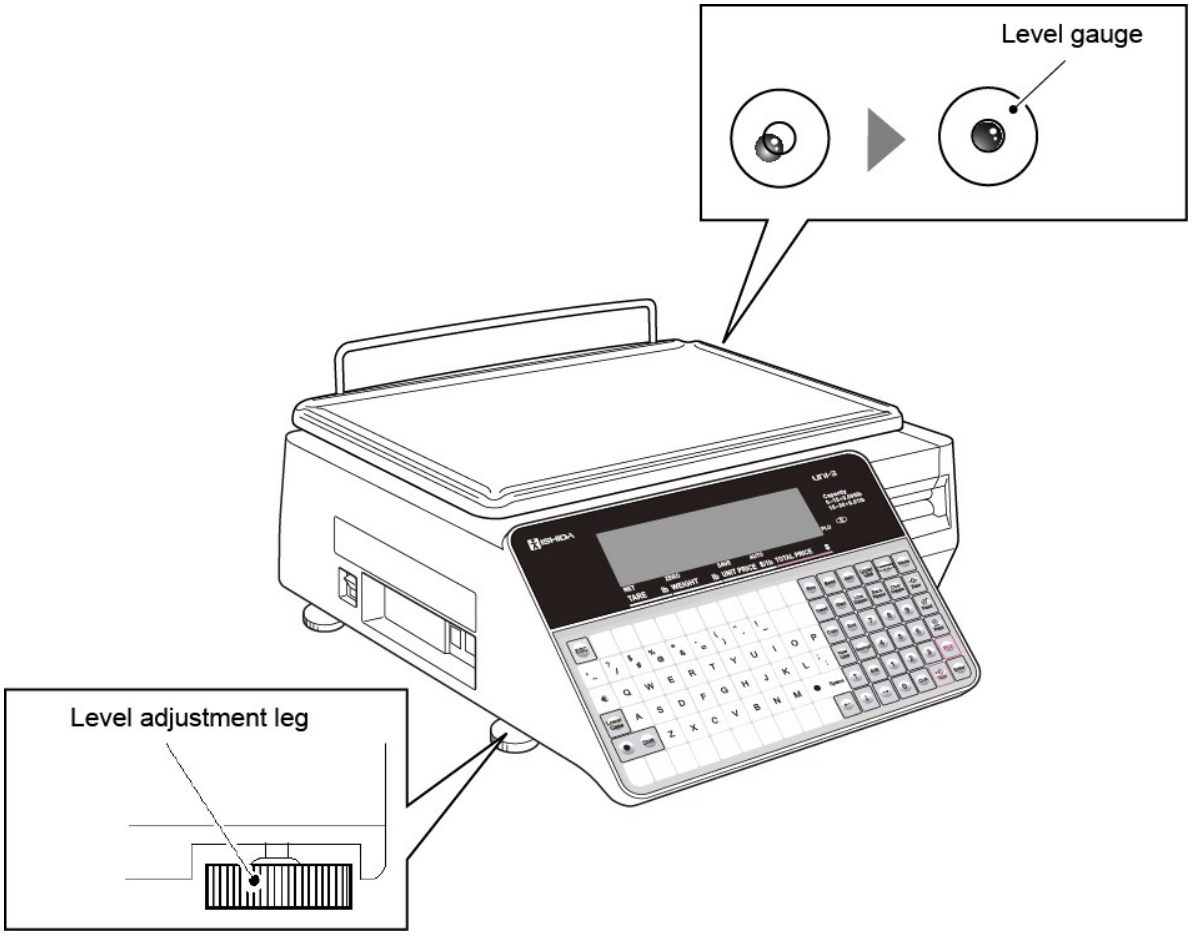


Figure 9-1. Level Adjustment

9.2 Label/Receipt Roll Loading

CAUTION ***Ensure the weighing platter is empty prior to starting this procedure.***

1. Open the cover on the right side of the main body.

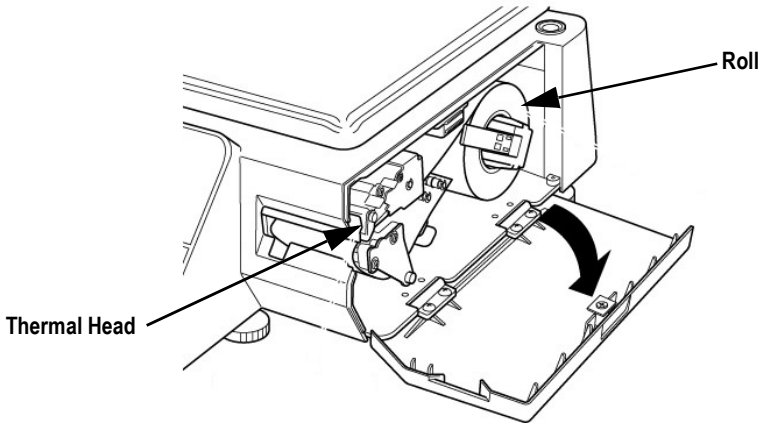


Figure 9-2. Open the Right Cover

2. Slide a new roll around the roll holder.

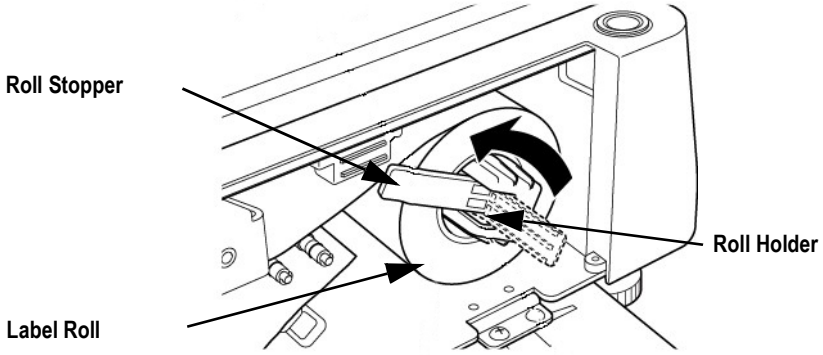


Figure 9-3. Place the New Roll on the Roll Holder

3. Raise the roll stopper to fix the roll position. Set close to the label roll, but not touching, to prevent binding.
4. Lift up on the front side and press down on the back side of the thermal head lever to unlock.

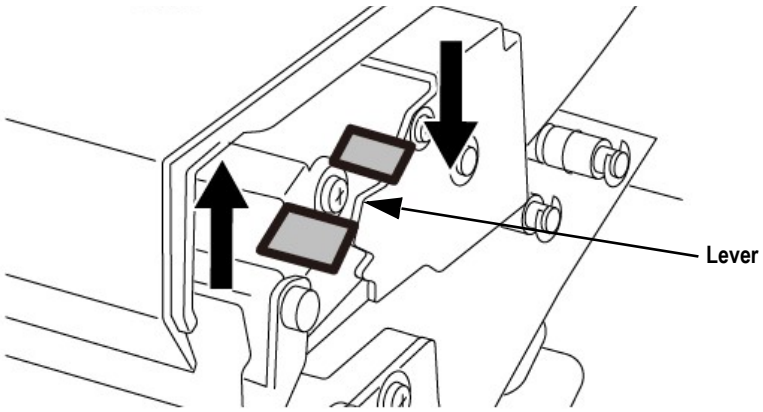


Figure 9-4. Lift the Lever to Unlock the Thermal Head

5. Thread the paper as shown in Figure 9-5

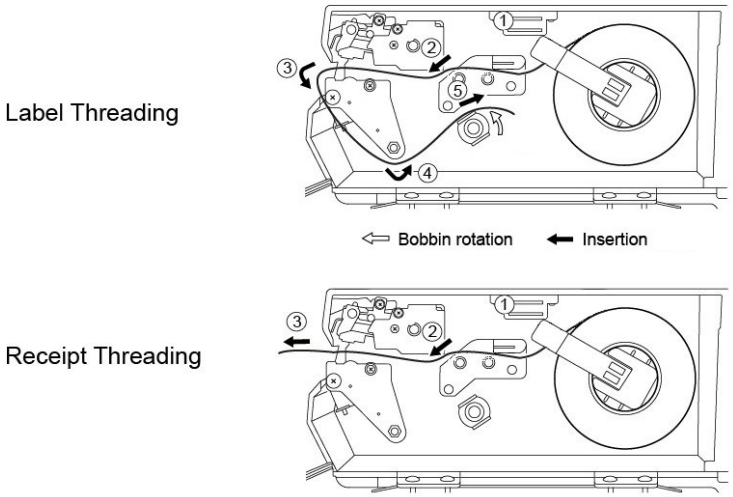


Figure 9-5. Thread Paper

6. For labels, fix the paper end with the backing paper stopper.
7. Gently turn the winding bobbin counter-clockwise until the backing paper becomes tight.
8. For both labels and receipts, push down the front side of the lever to lock the thermal head.

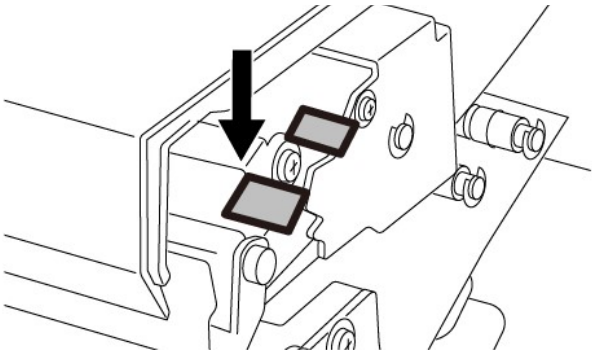


Figure 9-6. Lock the Thermal Head

9. Press **Feed** to issue a label. At this time, confirm that the label is completely peeled off.

CAUTION ***Confirm that the backing paper is wound up smoothly. If the backing paper is wound up diagonally, check that the label is set correctly.***

9.3 Removing and Replacing the Weighing Platter

To remove the weighing platter, lift the front side approximately one inch until it is free, then raise the back side.

To replace the weighing platter, set the two back side pins in the rubber platter holders, then lower the front pins into the rubber platter holders.

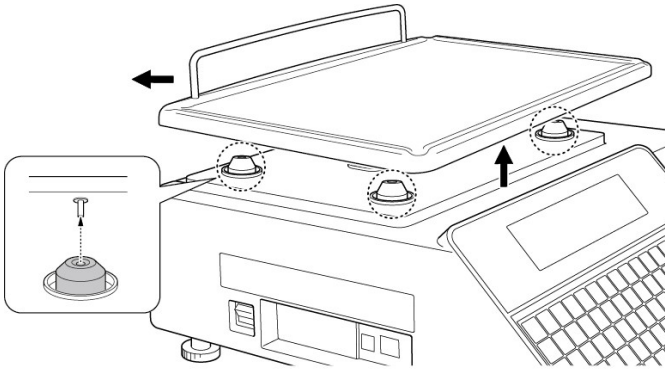


Figure 9-7. Remove Weighing Platter

9.4 Cleaning the Machine

1. Switch off the power.
2. Lift up on the front side and press down on the back side of the thermal head lever to unlock.

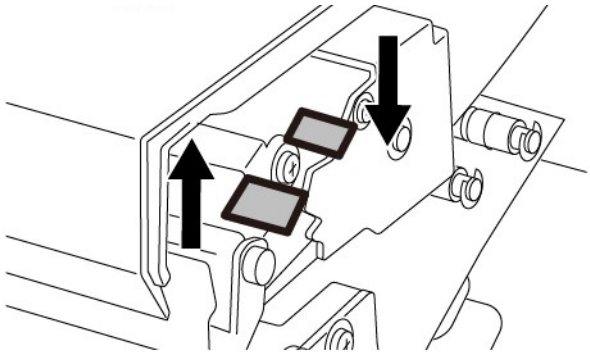


Figure 9-8. Unlock the Thermal Head

3. Use a cotton-tipped swab dipped in isopropyl alcohol to gently clean off the thermal head.

CAUTION ***Never use a hard or sharp object to clean the thermal head.***

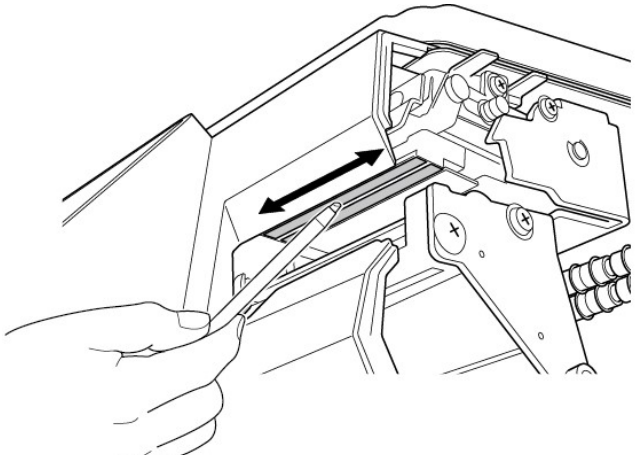


Figure 9-9. Clean Thermal Head

10.0 Appendix

10.1 Error Codes

Note ***For the single-line Uni-3L1 in some cases pressing the Up or Down arrow keys will toggle between the error number and the description.***

Error No.	Error	Solution
---	Take Item Off Platter	Remove all objects from the platter before switching on the power; confirm the platter is seated correctly in the four rubber supports; recalibrate the scale; replace the load cell
105	Initialization Failed	Perform memory initialization, see Section 5.6 on page 82
106	Battery is Fault	Verify battery switch is on or replace battery
108	Clock Setting is Not Completed Yet	Set the date and time, see Section 5.2 on page 81
109	Printer 1 Initialization Was Not Done Yet	Initialize the printer, see Section 5.7 on page 83
110	Machine Setting Is Not Completed	Select machine type, see Section 5.11 on page 88
111	The Display Confirmation Is Not Completed	Perform display check, see Section 5.3 on page 81
112	The Confirmation Of The Key Is Not Completed	Perform key check, see Section 5.4 on page 81
114	The Data Composition Is Different	Initialize the memory, see Section 5.6 on page 82
116	The Country Has Not Been Selected	Select country, see Section 4.20 on page 72
202	PLU Master Is Not Programmed	Check PLU number, program if necessary, see Section 8.2 on page 97
203	POP Master Is Not Programmed	Check POP number, program if necessary, see Section 8.14 on page 110
212-0216	Free Master Isn't Registered	Check Free Message, register if necessary, see Section 8.17 on page 111
219	Store Master Is Not Programmed	Check store number, program if necessary, see Section 8.7 on page 106
221	Tare Limit Over (g)	Re-program tare weight
222	Tare Weight is 0 g	Set tare weight
223	Label Setting Master Is Not Programmed	Check label number, program if necessary
266-0000	File Input Error	There is a file that failed during input, check USB
266-0001	File Input Error	Failed in reconstruction of SRAM data
267-0000	File Output Error	There is a file that failed during output, check USB
267-0001	File Output Error	Failed in SRAM data backup
268-0000	File Delete Error	There is a master file that failed in deleting
268-0001	File Delete Error	Failed in SRAM delete
268-0002	File Delete Error	Failed in Data delete
268-0003	File Delete Error	There is data that failed in deleting
271	Initialize Error	There is master data that failed in initialization
275	Extra Message 1 not found	The extra message 1 linked to the PLU does not exist; this error message can be disabled at step B18-02-03
276	Extra Message 2 not found	The extra message 2 linked to the PLU does not exist; this error message can be disabled at step B18-02-04
277	Extra Message 3 not found	The extra message 3 linked to the PLU does not exist; this error message can be disabled at step B18-02-05
281	Tare Limit Over (kg)	Re-program tare weight
282	Tare Weight is 0 kg	Set tare weight
283	Tare Limit Over (lb)	Re-program tare weight
284	Tare Weight is 0 lb	Set tare weight
312-0000	Label Is Remaining	Remove label or check peel sensor levels, see Section 5.7 on page 83
313	Printer Thermal Head Is Up	Put thermal head down
316	Markdown Price Is More Than Original Price	Check price, markdown should be less than original price
321	Price Is Not Programmed	Enter price, program if necessary

Table 10-1. Error Codes

Error No.	Error	Solution
342	POS Code Not Found	The PLU barcode value is zero; the label cannot be printed
343	POS Code Not Found	The PLU barcode value is zero; the label will print after the error is cleared
344	Cassette Setup Is Incorrect	Check B12-02 Label Type; set as 1 in all cases except CR mode
347-0000	Thermal Head Is Worn Out	No effect on printing
347-0001	Thermal Head Is Worn Out	Printing is effected, but not the barcode; change the thermal print head
347-0002	Thermal Head Is Worn Out	The barcode is not printing correctly; change the thermal print head
351	Label Is Remaining	Remove label or check peel sensor levels, see Section 5.7 on page 83
396	No USB Memory	Confirm the USB memory stick is fully seated; confirm the USB is compatible with the Uni-3; if loading a backup file confirm the "Data0x" folder is valid; if loading firmware, confirm the "Soft" folder is the only data on the USB memory stick and the folder is unzipped
703	Printer 1 Has Problem	Printer queue is full; turn off the scale; wait 10 seconds
710-0000	No Label For Printer 1	Change label roll
710-0001	No Label For Printer 1	Thermal head is in the up position; printing cannot resume until the thermal head is locked down
710-0002	No Label For Printer 1	Front cover is open; close the front cover
711-0000	Label Size Error For Printer 1	Remove label and press feed key
711-0001	Label Size Error For Printer 1	Remove label and press feed key
711-0002	Label Size Error For Printer 1	Remove label and open front cover
713	Too Many Characters On Format For Printer 1, Failed In [*]	Check field and data, increase the field size as needed
714-0000	Remaining Label On Printer One	Remove label
714-0001	Remaining Label On Printer One	Remove label
714-0002	Remaining Label On Printer One	Remove label
715-0000	Thermal Head Is Worn Out For Printer 1	Change thermal head
715-0001	Thermal Head Is Worn Out For Printer 1	Thermal head is worn, but there is no effect on printing
715-0002	Thermal Head Is Worn Out For Printer 1	Change thermal head
1010	No Label for Printer 1	The label gap sensor did not detect the labels; open the printer door and confirm the labels are threaded correctly and are in the label gap sensor; check and calibrate the label gap sensor (C07-04) as needed, see Section 5.7 on page 83
1011	Label size error	The length of the label does not match the label format; confirm the labels are the correct length; confirm the labels are threaded correctly and are in the label gap sensor; check the length (height) of the label format; check and calibrate the label gap sensor (C07-04) as needed, see Section 5.7 on page 83
1601	Span Adjustment For Scale Is Not Completed	Calibrate the scale; if necessary, initialize the calibration and recalibrate; press the Span button to store the calibration settings before existing the calibration screen, see Section 5.8 on page 84
1833-0000	Power off	Power off confirmation; press **Enter** to continue or CLR to quit
1843-0000	Operator not logged in	Log into system
9021	Master call error	Data request from the Master scale was not received; check the status of the Master scale; check the network connection to the Master scale; confirm the Master scale IP Address programmed in the Satellite is correct (B01-01-08)
9031-0003	Addition error	Satellite scale cannot report a transaction to the Master scale
9038-0162	Login error/no password	--
11009	Operator keys are not available	The scale is set for standard operation, use the **Print** key to print labels
11010	Print key is not available	The scale is set for operators, use the operator keys to print labels
11030-0000	Successful login	--
11030-0001	Successful logout	--
11031-0000	Login failure	--

Table 10-1. Error Codes (Continued)

Error No.	Error	Solution
11040-0001	Unit price too large	If necessary, change B26-02-04 to accommodate more price digits, see Section 4.20 on page 72
14038-0001	SSID Length is invalid	Check the SSID length
14038-0002	WEP 64 key length is invalid	Check the WEP 64 key length, Hex: 10 characters, ASCII: 5 characters
14038-0003	WEP 128 key length is invalid	Check the WEP 128 key length, Hex: 26 characters, ASCII: 13 characters
14038-0004	PSK length is invalid	Check the PSK length, Hex: 64 characters, ASCII: 8-13 characters
14038-0005	WEP index number is invalid	Check the WEP index number, Number should be between 1-4
14038-0006	Key type is invalid	Please check the key type or key data. Hex: 0-9, A-F
14038-0007	Communication error has occurred	Check the connection with the WiPort bridge
14038-0008	An error has occurred	Check the WiFi settings and repeat
14038-0009	WiFi settings have changed	Press **Enter** to save the settings or **Clear** to exit
14038-0010	Wait 30 seconds to enable WiFi settings	Wait 30 second after pressing **Enter**
19005-0000	Power off	Power the scale off

Table 10-1. Error Codes (Continued)

10.2 Text Editing

Enter	Used to save and exit after entering text.	Size	Press the Size key to scroll through the available character sizes for the text printed on the label. The size must be selected before text is entered. See Table 10-3 on page 119
ESC	Exit editing a text.	Bold	Specify a bold character font style.
New Line	Begin a new line.	*Italic*	Specify an italic character font style.
Lower Case	Select either lower case or upper case character mode for a text to be entered.	Reverse	Specify a reverse character font style.
Space	Enter a space.	Under Line	Specify an underlined character font style.
Shift	Select either lower case or upper case character mode for the text to be entered. Also to access the secondary symbol on a key.	Normal	Specify a normal character font style.
Insert	Insert a character, or select characters by pressing the left or right arrow keys.	←	Move cursor left.
Char Delete	Delete a character.	→	Move cursor right.
Line Delete	Delete a line of text.	↑	Move cursor to the beginning of a line. Press again to move up to the beginning of the previous line.
Back Spece	Delete a character to the left of the cursor.	↓	Move cursor to the end of a line. Press again to move down to the end of the next line.
Copy	Copy original data to current data.		

Table 10-2. Text Editing Keys

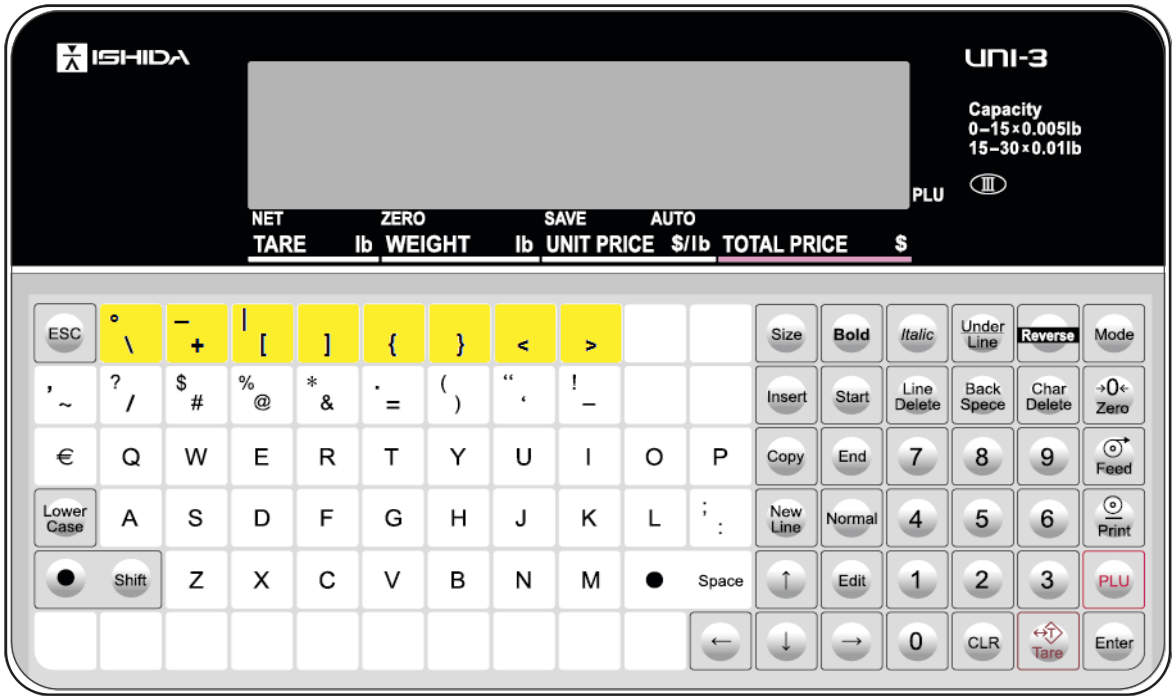


Figure 10-1. Operation Panel

Note ***Highlighted keys are available but not printed on the keyboard.***

Font Size Choice	Description
0	30 x 15, 25 character/line (default)
1	32 x 15, 25 character/line
2	34 x 16, 24 character/line
3	40 x 20, 19 character/line
4	56 x 28, 14 character/line
5	60 x 30, 13 character/line
6	80 x 40, 10 character/line
7	120 x 60, 7 character/line
8	10 x 5, 62 character/line
9	10 x 6, 54 character/line
10	14 x 7, 48 character/line
11	20 x 10, 36 character/line
12	22 x 10, 36 character/line
13	24 x 12, 31 character/line
14	28 x 14, 27 character/line

*Table 10-3. Available Font Sizes for the **Size** Key*

10.3 RF Option Installation

Use the following steps to install the Uni-3 RF option for both the bench and pole models.

1. Disconnect the AC power cord.

WARNING ***Use a wrist strap to ground yourself and protect components from electrostatic discharge (ESD) when working inside the scale. Procedures requiring work inside the unit must be performed by qualified service personnel only. It is necessary to unplug to the Uni-3 prior to opening the unit.***

2. Gently lay the scale on its side.
3. Remove the seven screws securing the cover to the scale.

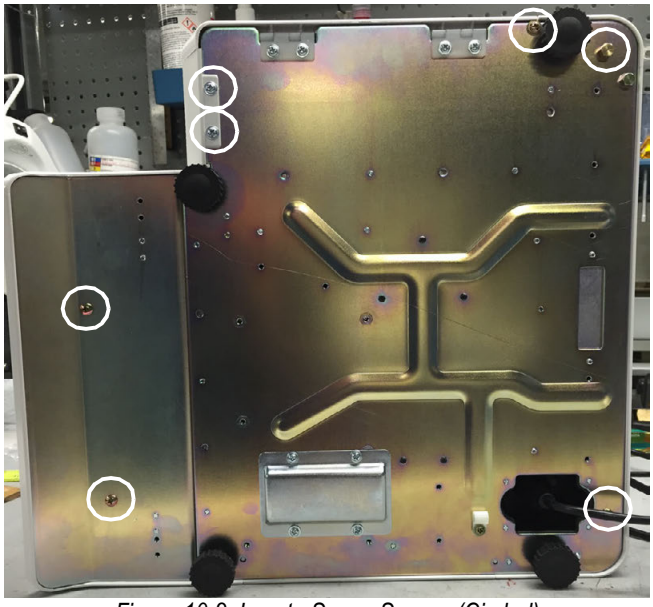


Figure 10-2. Locate Seven Screws (Circled)

4. Carefully remove the cover. Both the operator and customer display cables must be disconnected from their display boards. Remember the routing location of these cables for reassembly.
5. Remove the three screws securing CPU board and replace with included standoffs (locations circled in Figure 10-3). Save the screws for later use.
6. Plug the short black harness into the CPU board at location **XJ5**.
7. Using screws from Step 5, mount the plate to the standoffs and route harness from step 6 along the end of the plate.
8. Plug the black harness from **XJ5** into the WiPort.
9. Connect one end of the Ethernet harness to the WiPort.
10. Mount the WiPort to the plate from Step 7 using four of the M4 screws provided.

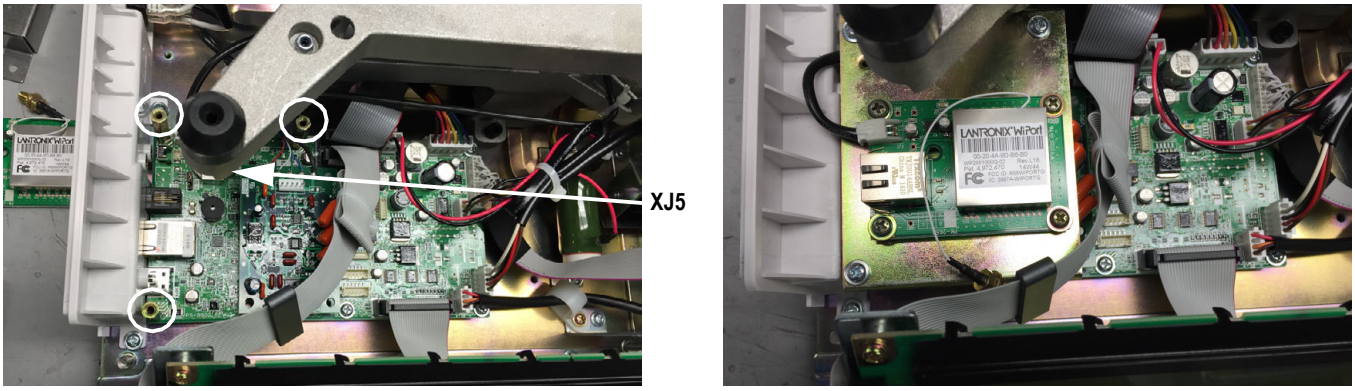


Figure 10-3. Plug XJ5 into WiPort (Standoffs Circled in White)

11. Remove the plastic punch-out from the left side of the scale.

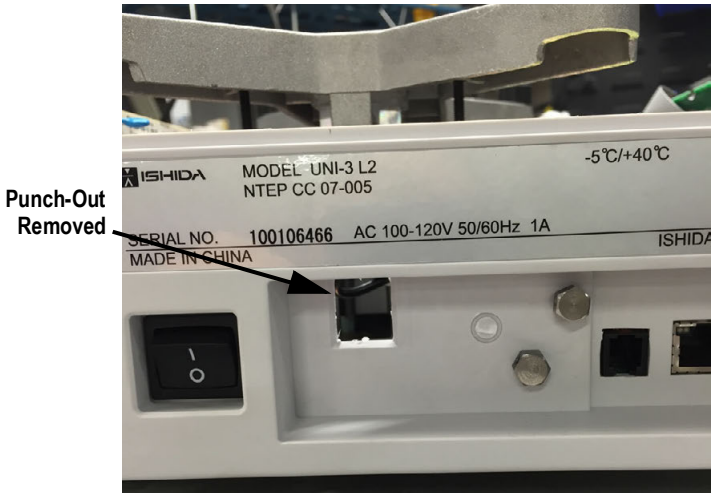


Figure 10-4. Plastic Punch-Out Removed

12. Mount the antenna to the provided bracket and secure to the plate using the M4 screw provided.

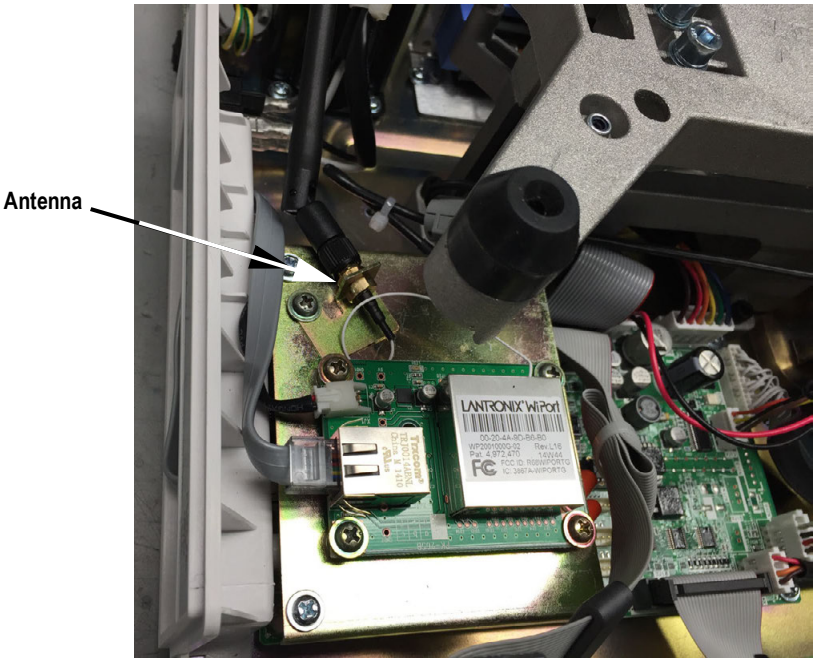


Figure 10-5. Antenna Mounted to Provided Bracket

13. Thread Ethernet harness connected to the WiPort through the hole from Step 11 and plug it into the scale's LAN port.

14. Secure the harness into place using the stainless steel cover. Remove the existing screw. Insert the cover tab into the punch-out hole from Step 11. Replace the screw.

Figure 10-6. Insert Stainless Steel Cover

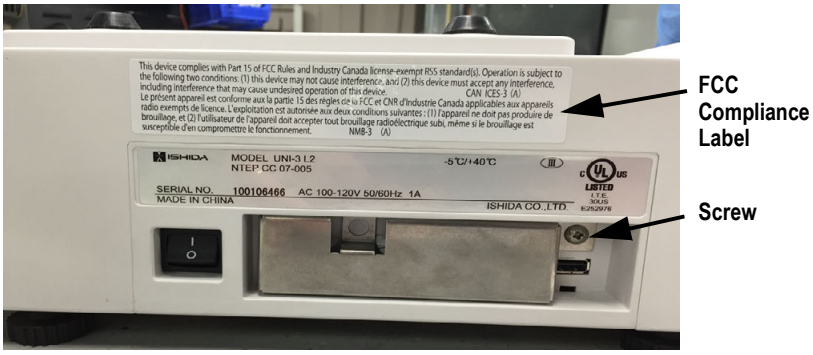


Figure 10-7. Secure Cover with Screw and Apply FCC Compliance Label

15. Reassemble the scale in reverse order. Pay close attention to the operator and customer display harness routing.
16. Apply the FCC compliance label to case cover above the specification plate.

10.4 Specifications

Items	Descriptions
Use Conditions	Temperature: 23 to 104°F (-5 to 40°C) Humidity: 30 to 85%, non-condensing.
Power supply / power consumption	AC100 – 120V / 1.0A
Weighing capacity scale interval	30 lb: 0–15 x 0.005 lb, 15–30 x 0.01 lb, 60 x 0.02 lb 15 kg: 0–6 x 0.002 kg, 6–15 x 0.005 kg, 30 x 0.01 kg
Weighting accuracy	1/3000
Operator/customer display	L1: One line 16 segments x 23 digits, liquid crystal with backlight L2: Two lines <upper> 192 x 16 dots <lower> 7 segments x 23 digits, liquid crystal with backlight
Printing method	Direct thermal method
Thermal head	2.2 inch (56 mm) and 8 dots/mm
Printing speed	3.9 inch (100 mm) / second
Label size	Label width: 38 mm to 64 mm Label length: 30 mm to 175 mm
Number of label cassettes	Non-cassette
Input/output	LAN 1 channel USB 1 channel Drawer 1 channel
Program store medium	Flash ROM (32M bytes)
Warranty	One-year limited warranty Warranty information can be found on the website at www.ricelake.com/warranties

Table 10-4. Specifications

230 W. Coleman St. • Rice Lake, WI 54868 • USA
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319