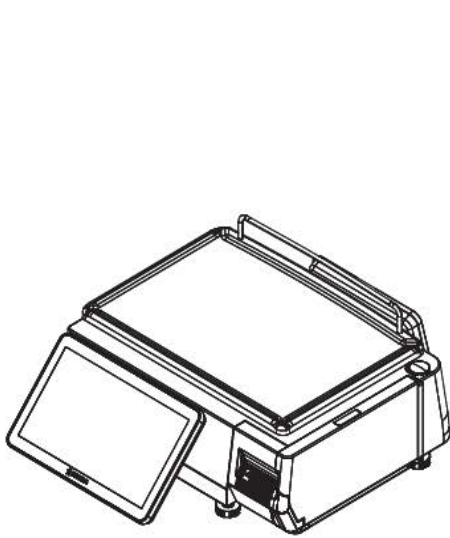


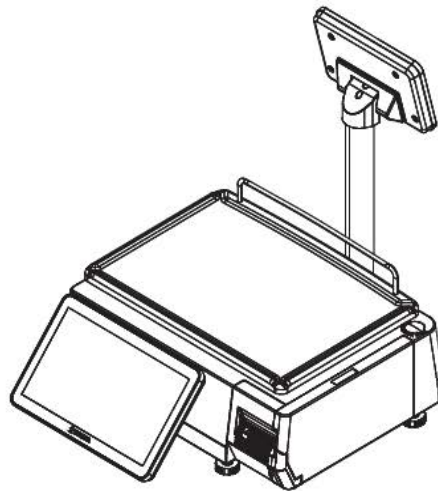
UNI-8

1st Edition

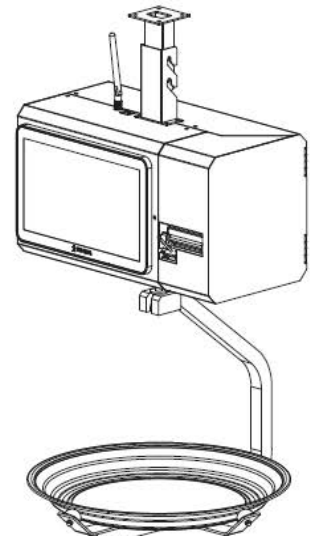
Service Manual



Bench type



Pole type



Hanging type

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Revision History

Version	Date	Description
1	Dec, 2023	1st edition

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Introduction

Purpose of this Manual







The purpose of this manual is as reference material for the delivery, installation, repair and maintenance of this machine.

Target Readers

This manual has been written specifically for use by our service personnel.
The use of this manual by any person other than above is strictly prohibited.

Signal Words

The signal words shown in this manual are separated into two stages depending on the level of danger or the seriousness of potential injury. Fully understand the meanings of the signal words shown below and follow the directions as shown in this manual and on the stickers placed about the machine.

Signal	Meaning
 DANGER	Indicates an imminently hazardous situation which, if not avoided, is likely to result in serious injury or may result in death. Additionally there may be severe property damage.
 WARNING	Indicates a potentially hazardous situation, which, if not avoided, will result in severe injury or death.
 CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury or in property damage.
 NOTE	Indicates information that needs to be noted or emphasized.
 INFORMATION	Indicates reference information when performing an operation.
 REFERENCE	Indicates the reference page related to performance of an operation.

Precautions for handling

WARNING

- **Do not allow water or any liquids to come into contact with the machine.**

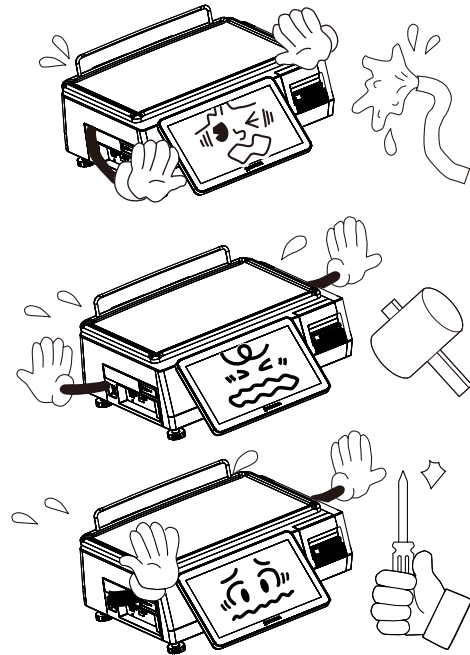
Doing so may result in fire or cause the machine to break down.

- **Do not drop or apply a strong shock to the machine.**

Doing so may cause the machine to break down.

- **Do not disassemble, modify, or attempt to repair the machine.**

Doing so may damage the original safety functions.



- **Do not hold the connector cover when carrying the machine.**

Dropping the machine may result in injury or cause the machine to break down.

- **Do not hold the operation panel or weigh platter when carrying the machine.**

Doing so may cause the operation panel or the platter to break down.

- **Do not hold the customer display the when carrying the pole type machine.**

Dropping the machine may result in injury or cause the machine to break down.

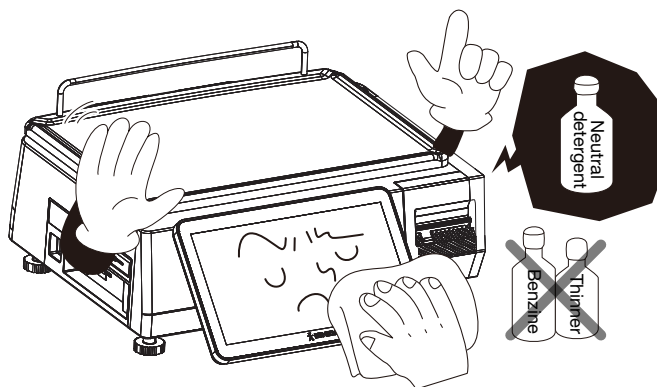
WARNING

- **Do not dispose of batteries with normal household waste.
Please obey your local regulations when disposing of used batterise.**

Precautions when using Cleaning Fluids

⚠ CAUTION

- Use a soft cloth and a neutral detergent to clean the machine. Do not use thinner, benzene, etc. Doing so may damage the original safety functions.
For some parts, use cleaning fluid (isopropyl alcohol).



⚠ CAUTION

- Do not use cleaning fluid near fire as the fluid is flammable.
- Do not use cleaning fluid in a poorly ventilated area. Always provide adequate ventilation when cleaning.

Take the following actions in the event of an accident:

If the fluid gets in your eye

- Immediately wash your eye(s) with water for at least 15 minutes, and consult your doctor.
- If you wear contact lenses, remove and wash them.

If the fluid comes into contact with your skin

- Immediately rinse the area of contact with water, and then wash with soap.
- If you notice any skin abnormalities at the area of contact, or if any pain persists, consult your doctor.

If the fumes of the fluid are inhaled

- Immediately move the victim to an area where fresh air is available, and have the victim lie down and keep warm.
- If breathing becomes difficult or stops, provide artificial respiration and seek medical attention immediately.

If the fluid is swallowed

- Do not try to induce vomiting.
- Do not give the victim anything to drink, and do not rinse the mouth.
- If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration.
- Keep the victim warm and seek medical attention.

Precautions for installation



• Do not install the machine in the following types of places:

- Places subject to high temperatures or high humidity
- Places exposed to direct sunlight
- Places where water or other liquids are easily spilled on the machine
- Places subject to excessive vibration or unstable foundations
- Places exposed to direct cold air from air conditioners or refrigerators
- Places where the floor or foundation is unstable
- Places subject to a lot of dust or dirt
- Places with large voltage fluctuations

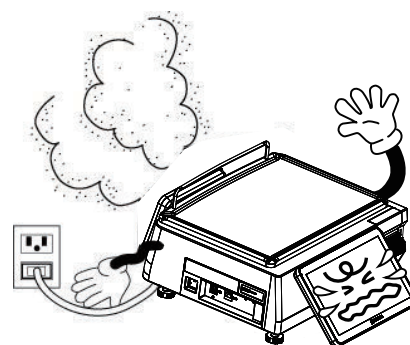
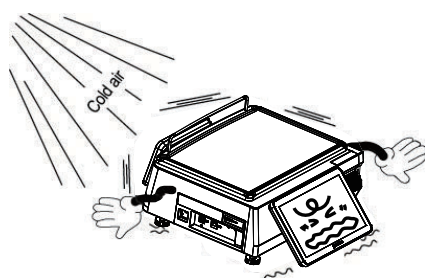
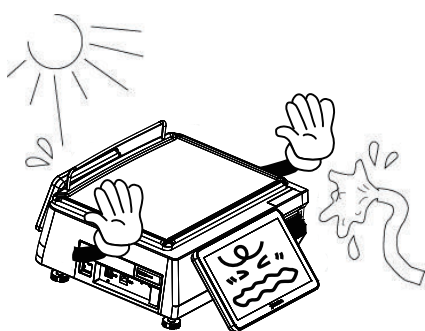


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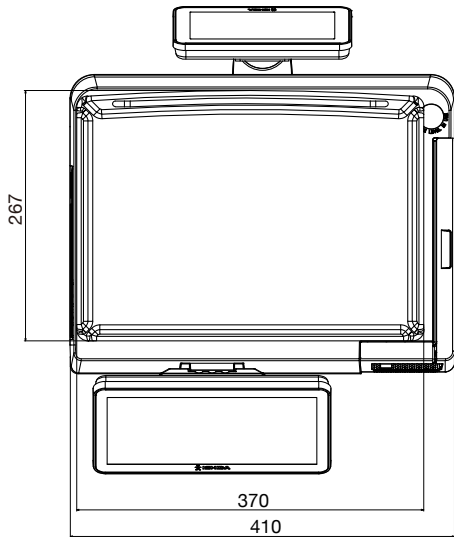
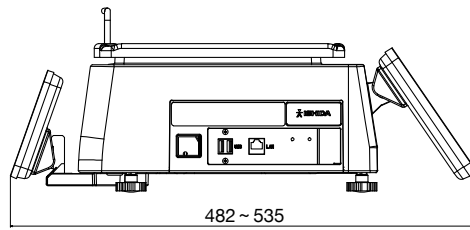
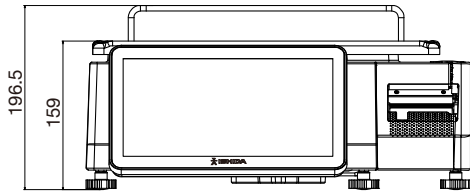
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Chapter 1 Overview

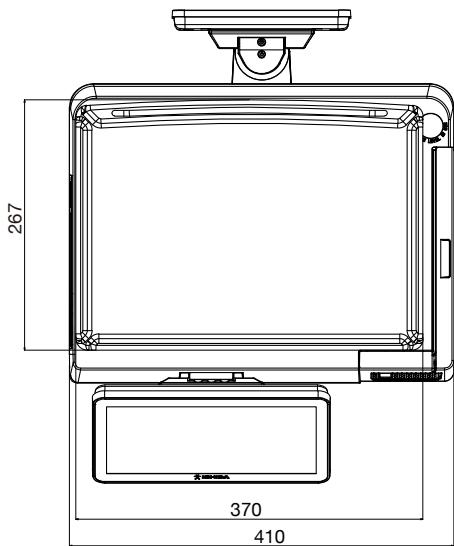
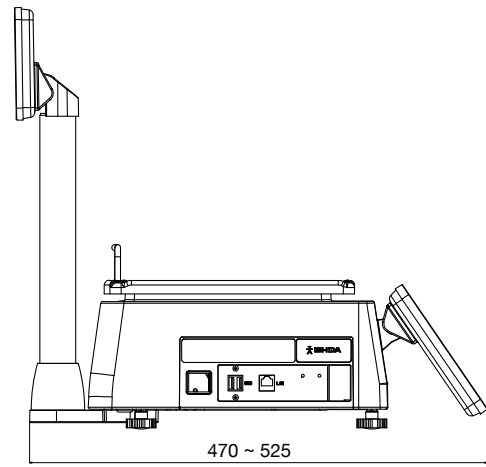
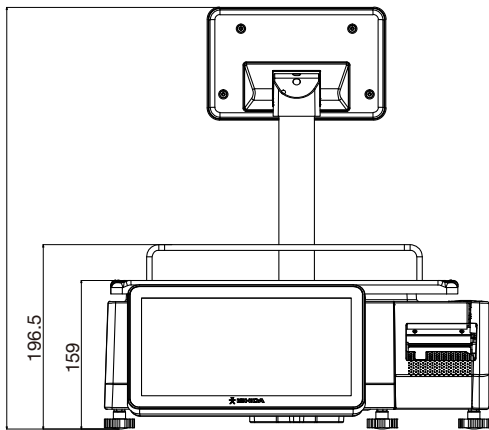
1.1 External Dimentions

1.1.1 Bench type



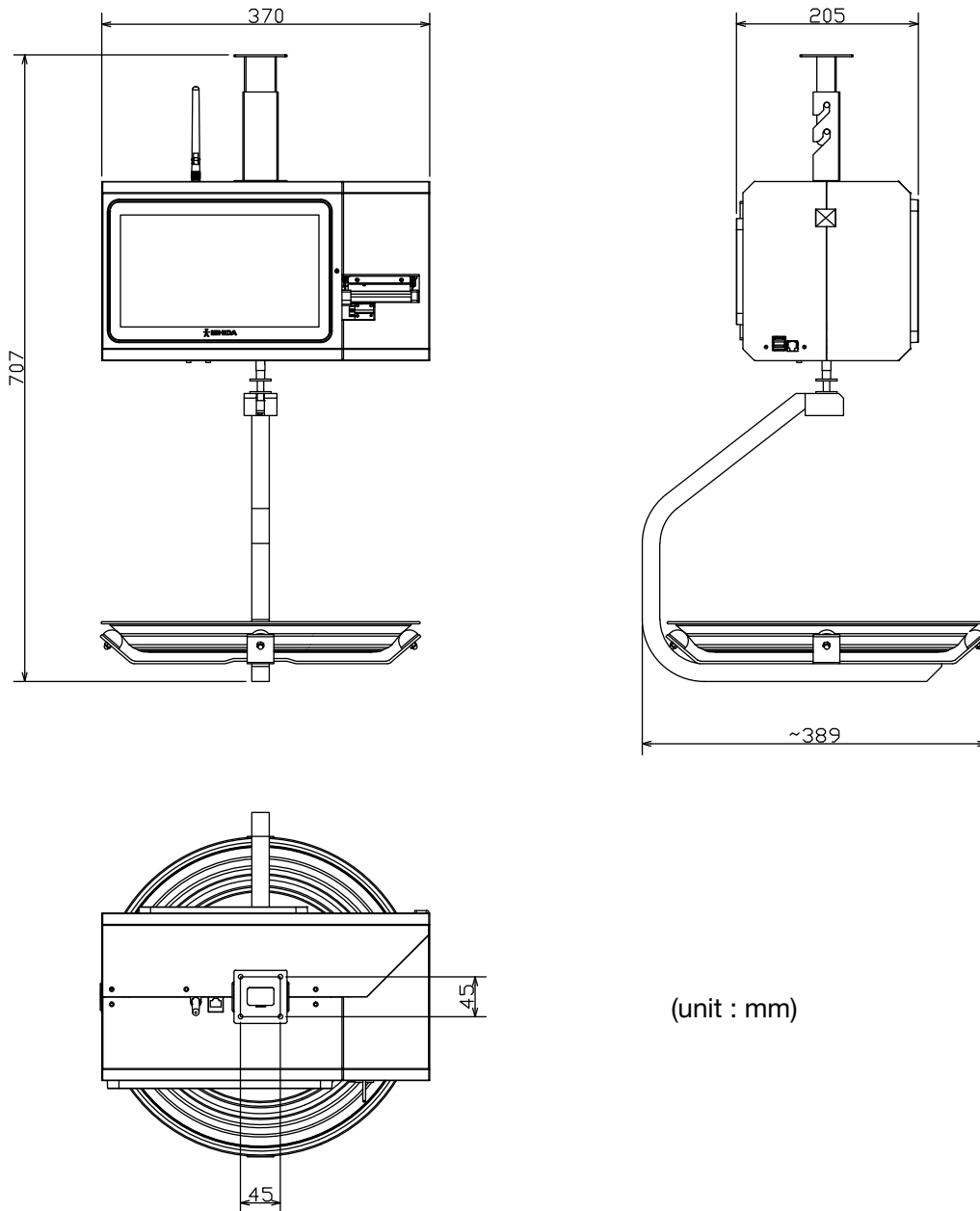
(unit : mm)

1.1.2 Pole type



(unit : mm)

1.1.3 Hanging type



1.2 Specifications

1.2.1 Weighing unit

Items	Descriptions
Weighting accuracy	1/3000 (Precision class based on new measurement standards in Japan: Class III)
Weighting capacity Scale interval	15 kg specification: 0 to 6 kg / 0.002 kg, 6 to 15 kg / 0.005 kg, 0 to 15 kg / 0.005kg(Single Range) 30 kg specification: 0 to 15 kg / 0.005 kg, 15 to 30 kg / 0.01kg, 0 to 39 kg / 0.01 kg(Single Range) 30 lb specification: 0 to 15 lb / 0.005 lb, 15 to 30 lb / 0.01 lb, 0 to 30 lb / 0.01 lb(Single Range) 60 lb specification: 0 to 30 lb / 0.01 lb, 30 to 60 lb / 0.02 lb, 0 to 60 lb / 0.02 lb(Single Range)

1.2.2 Operator/ Customer unit

Items	Descriptions
Display	Operator Display: 10.1 inch TFT color WSVGA LCD (1024 × 600) Customer Display: 7 inch TFT color WSVGA LCD (1024 × 600)

1.2.3 Printer unit

Items	Descriptions
Printing method	Direct thermal method
Thermal head	2 inches (448dots) and 8 dots/mm
Printing speed	100 mm/second It may not be able to be recognized depending on the quality of the label.
Printing effective size	56 mm
Label size	Label width: 34 mm to 68 mm Label length: 30 mm to 200 mm
Number of label cassettes	non-cassette

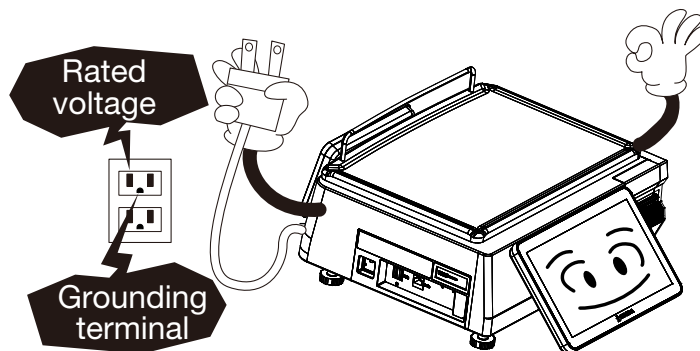
1.2.4 Others

Items	Descriptions
Power supply	For EU: 220 – 240 VAC/ 0.5A For South Africa: 220 – 240 VAC /0.5A For USA: 100 – 120 VAC /1.0A For Argentina: 220 – 240 VAC /0.5A
Use conditions	Temperature: -5 to 40°C Humidity: 20 to 85%, Non-condensing
Input/Output	LAN: 1 channel USB: 2 channels TF card: 1 channel RJ485: 1 channel Wi-Fi: 802.11 a/b/g/n
Memory	Memory: LPDDR 2GB, Hard disk: EMMC 16GB(or 32GB)

1.3 Power supply

WARNING

- It is strongly advised that the following safety measures must be observed to ensure the safe operation of the machine:
- Read precaution instructions described in this manual before connecting the power plug into the outlet.
- Always use a power supply with rated voltage. Never connect the machine 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 machine outside of the rated voltage may result in machine failure or danger such as electric shock.

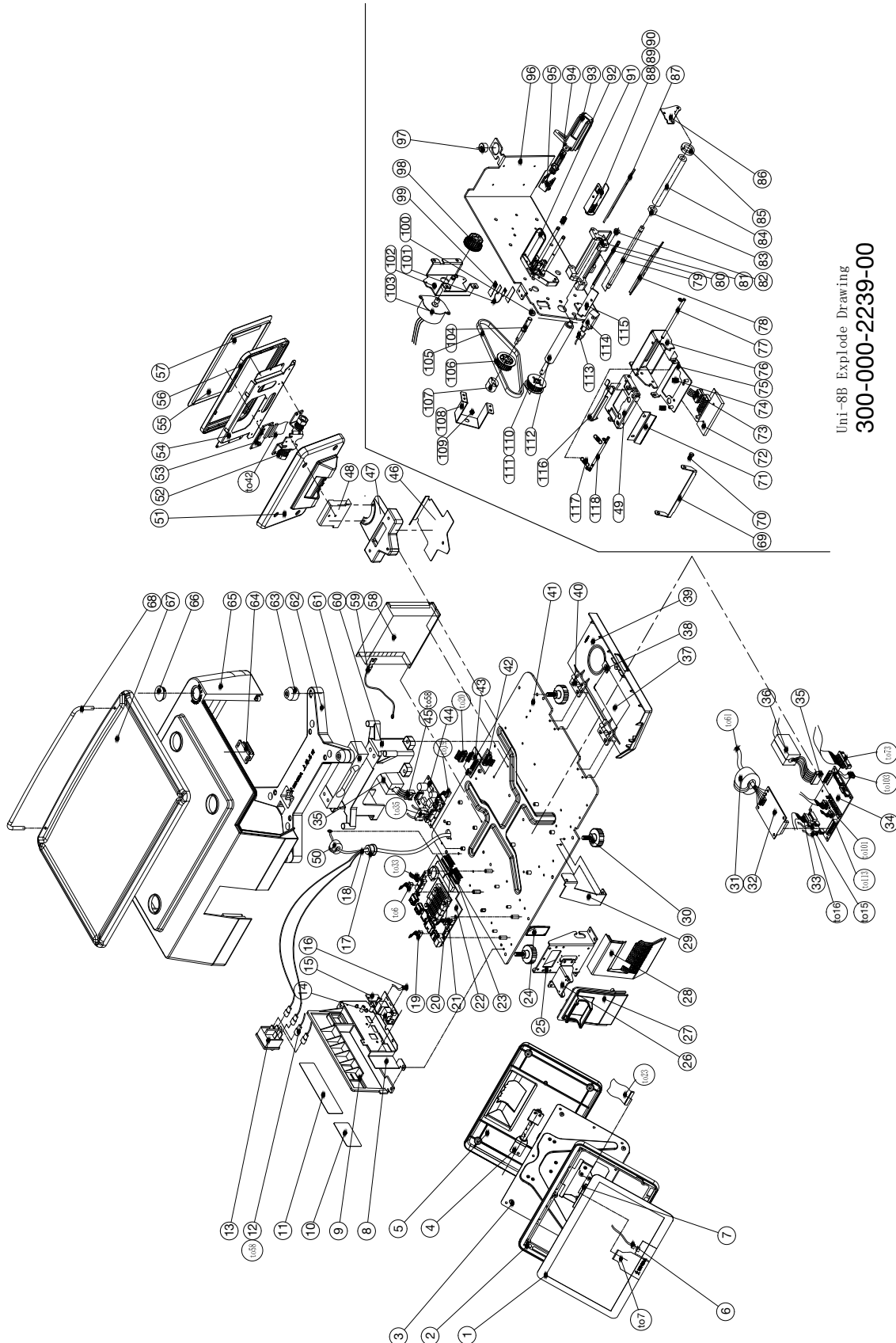


- **Prepare a dedicated power source.**
A power supply that generates voltage variation may cause a malfunction.
- **Do not stand on the power cable, and do not place anything heavy on the cable.**
Doing so may damage the cable, resulting in accident or trouble.
- **Disconnect power supply before servicing.**
To ensure your personal safety, disconnect the power supply before servicing.
- **Take precaution against residual electrical charge hazard.**
Capacitors inside the machine may still hold an electrical charge even after power is disconnected.
- **Do not remove covers or enclosures.**
To avoid personal injury and shock, do not open or remove any covers or enclosures of the machine unless specified in the manual.
- **Do not perform unspecified maintenance.**
For your personal safety, do not perform any maintenance procedures which are not specified in the

Chapter 2 Mechanical hardware

2.1 Bench type

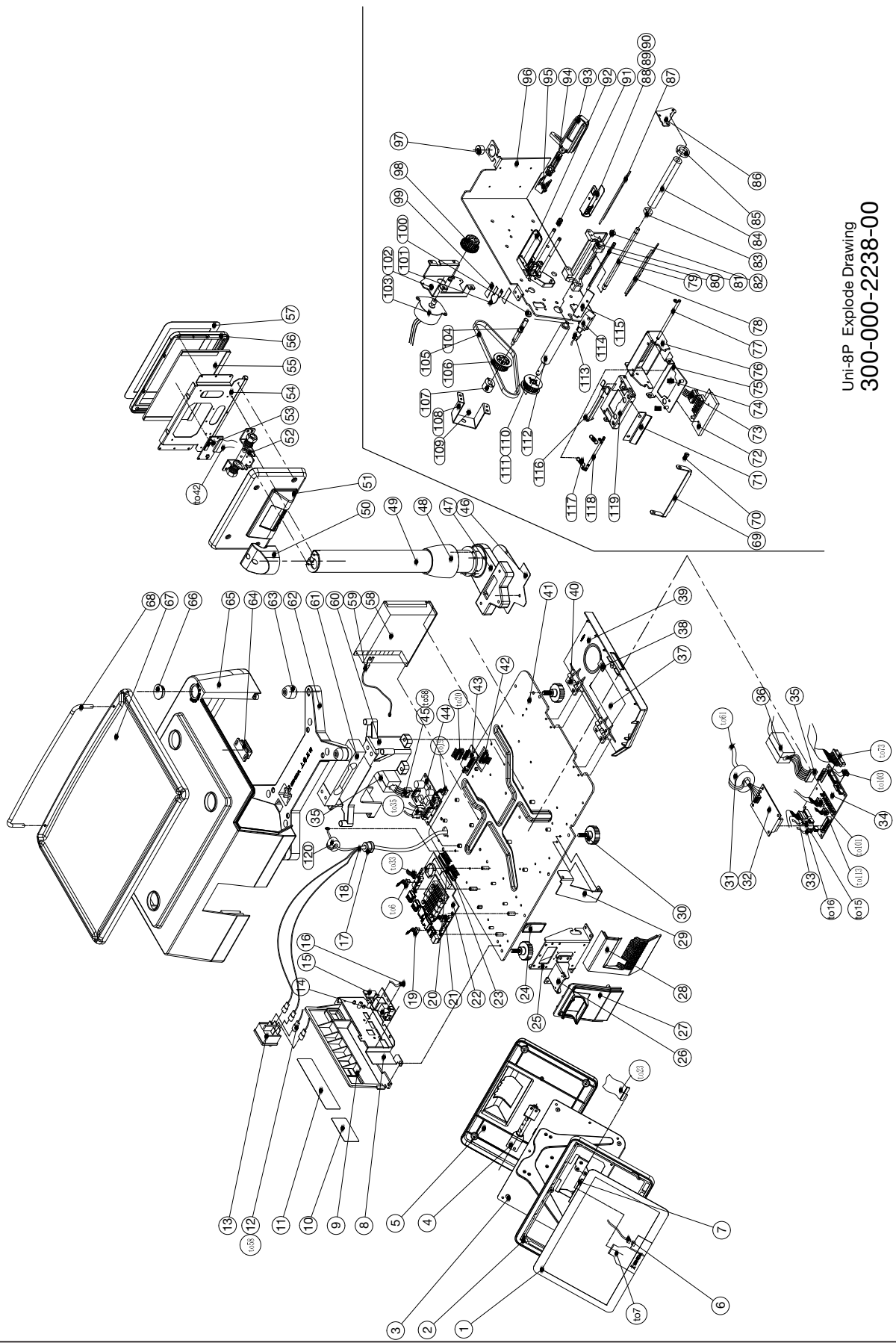
2.1.1 Exploded view



Uni-8B Explode Drawing
300-000-2239-00

2.2 Pole type

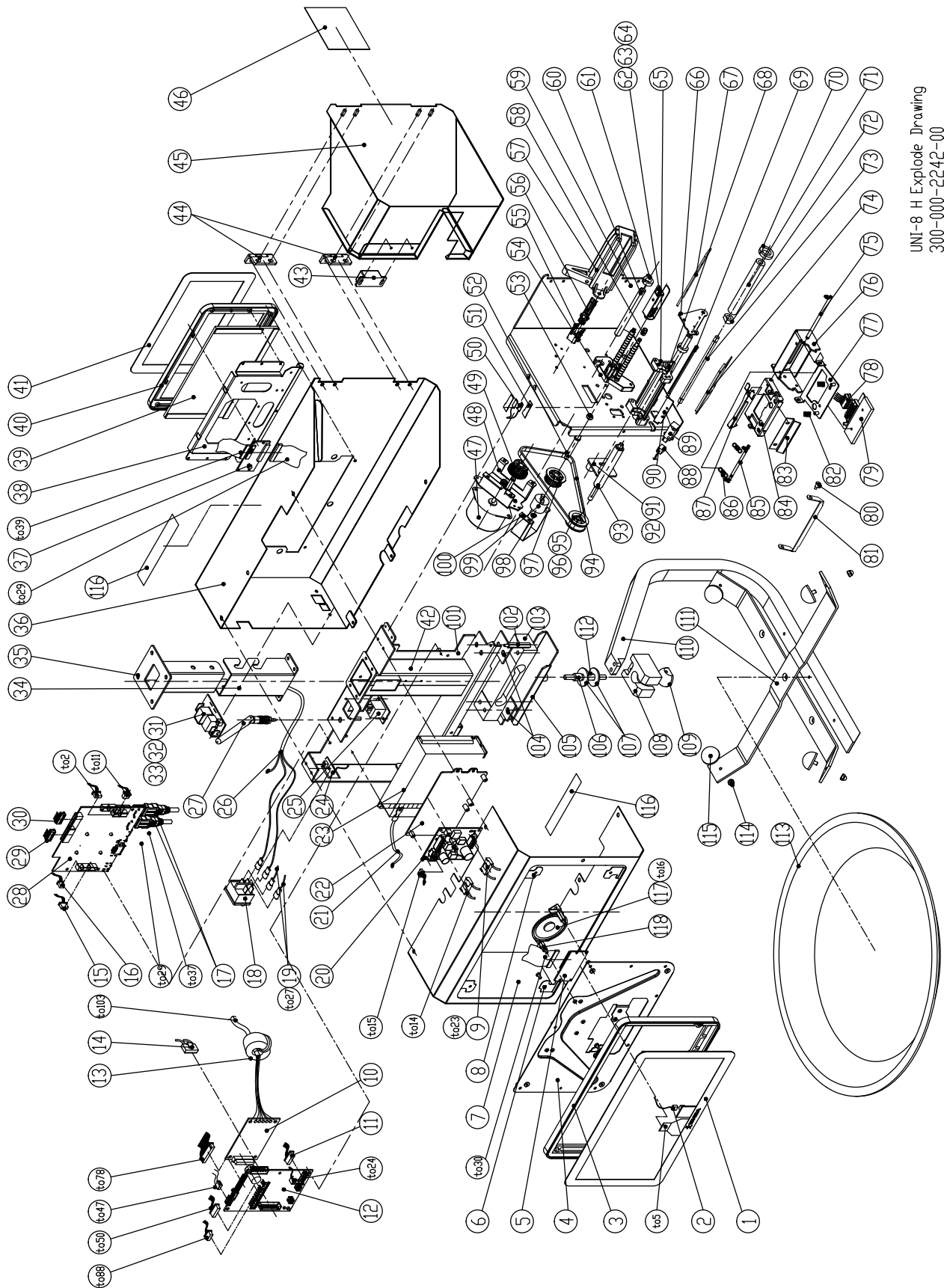
2.2.1 Exploded view



Uni-8P Explode Drawing
300-000-2238-00

2.3 Hanging type

2.3.1 Exploded view



UNI-8 H Explode Drawing
300-000-2242-00

Chapter 3 Machine disassembly

3.1 For each type



CAUTION

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

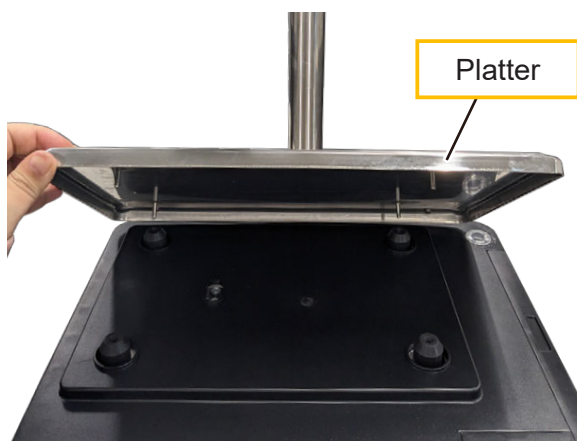


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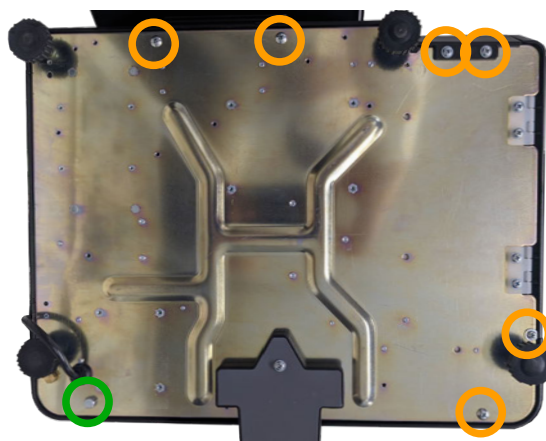
The procedure of this section is based on that of Bench Type. For the Customer Display and Operation Display of Hanging Type, refer to the section 3.3 Hanging Type.

3.1.1 Case Cover

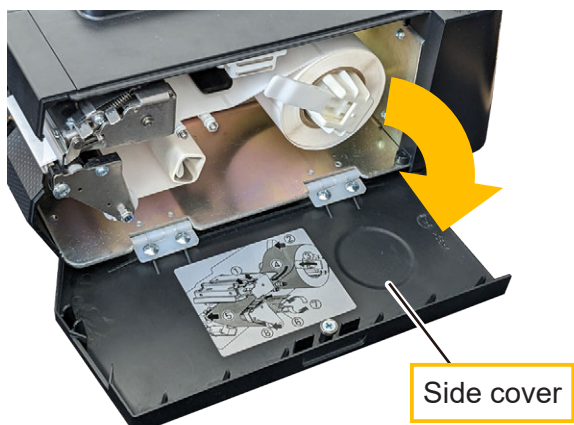
1. Detach the platter.



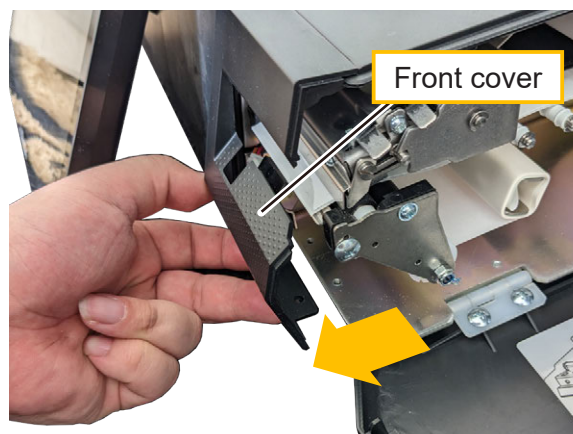
2. Remove the six screws (orange) and one hex screw (8 mm, green).



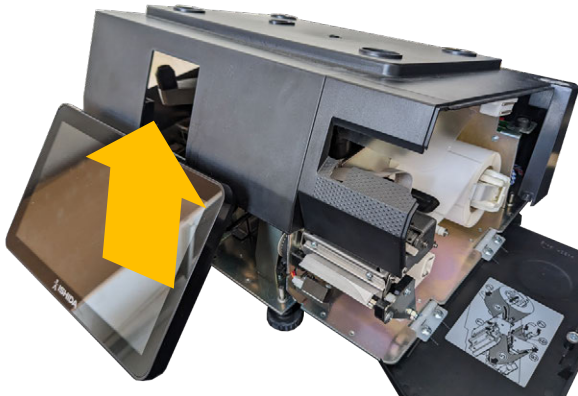
3. Open the side cover.



4. Unhook the front cover.



5. Pull up the front side of the case cover to disengage.



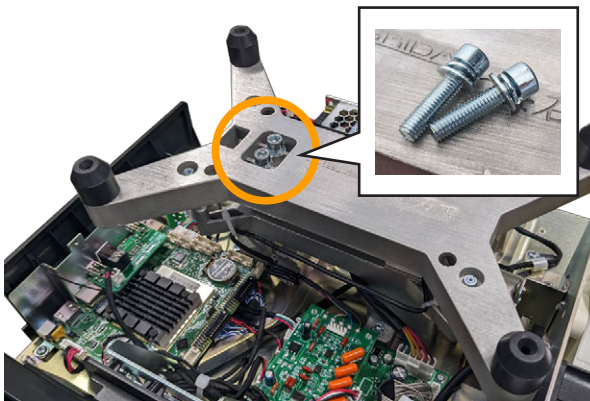
6. Remove the case cover.



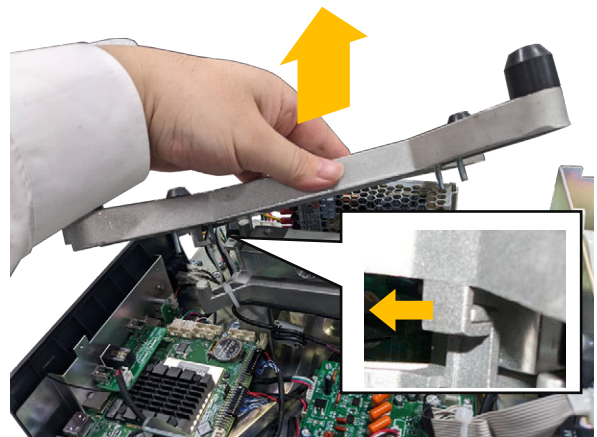
* Reverse this procedure for assembly.

3.1.2 Support and Load Cell

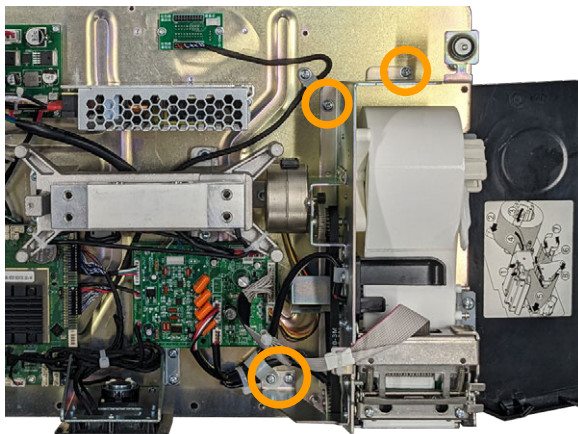
1. Remove the two hex screws (5 mm).



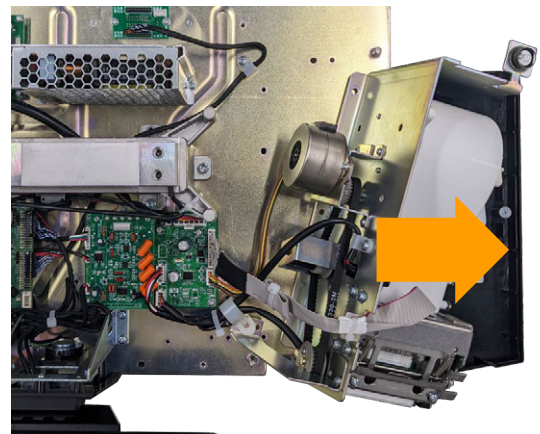
2. Remove the support.



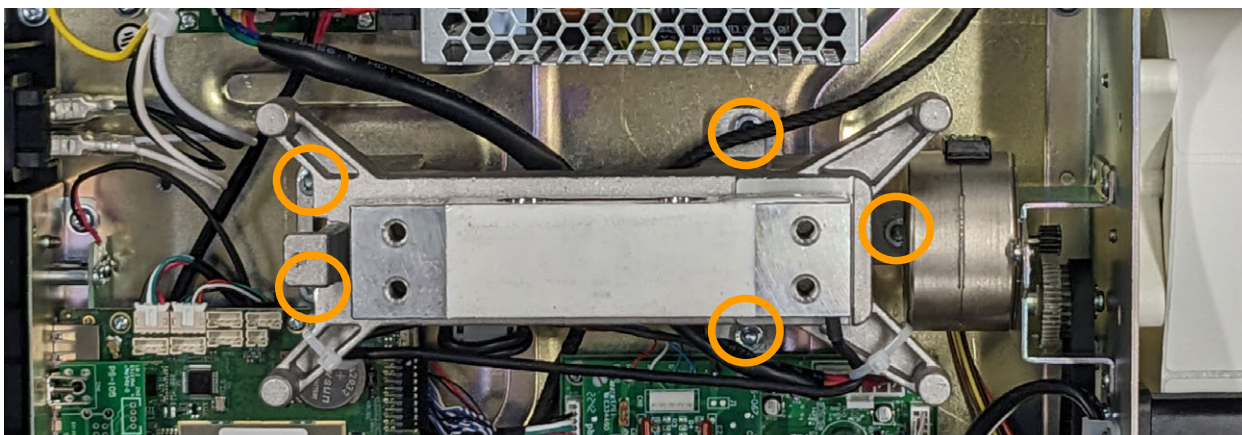
3. Remove the four screws.



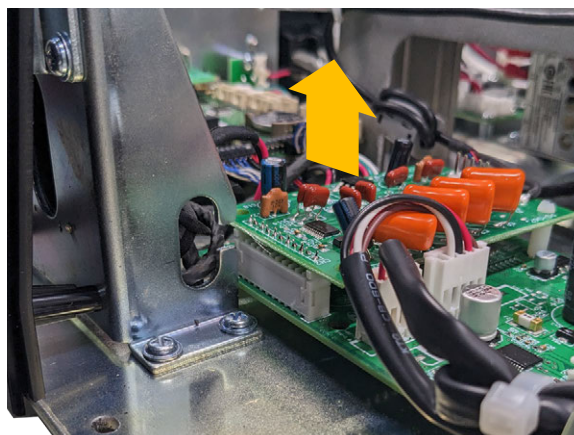
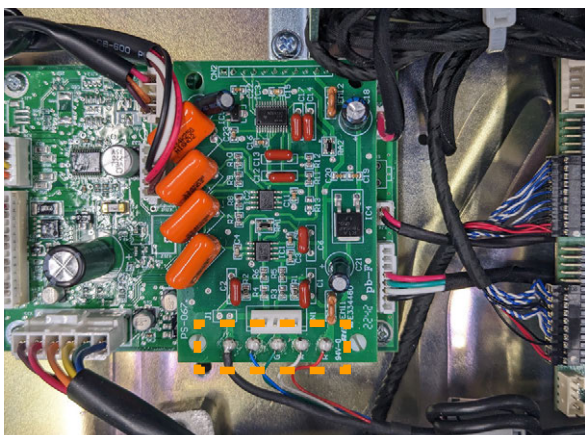
4. Slightly slide the cassette unit.



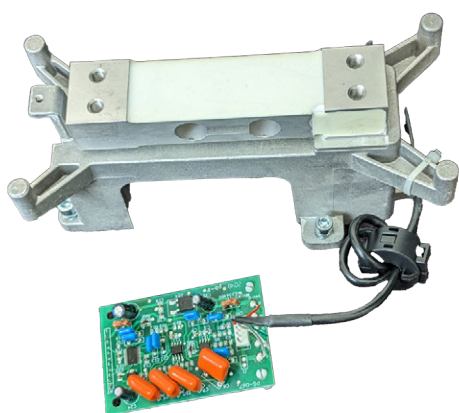
5. Remove the five hex screws (4 mm).



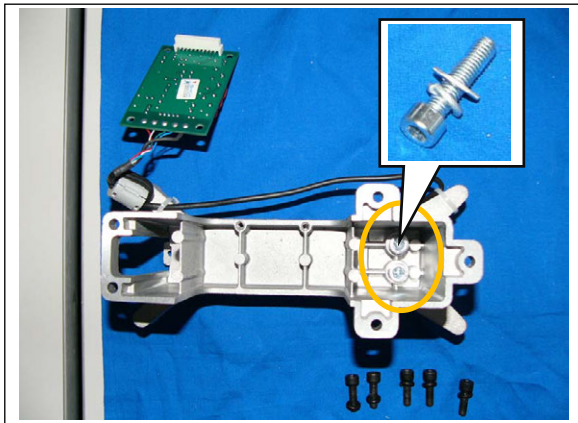
6. Pull PS-067 straight up and unplug the connector on the back side.



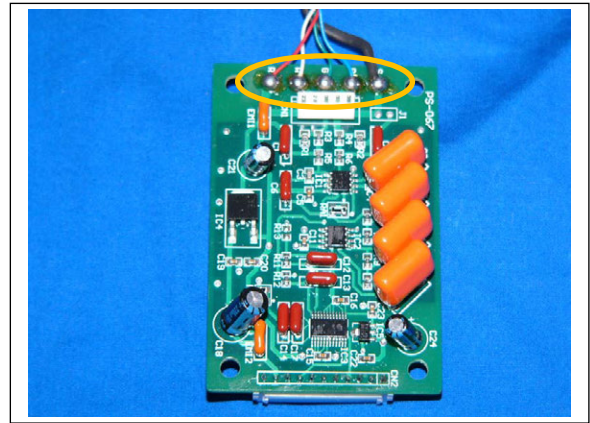
7. Detach the load cell unit.



8. Remove the two hex screws.



When replacing the load cell, remove the solder.



*** Reverse this procedure for assembly.**

3.2 Pole type

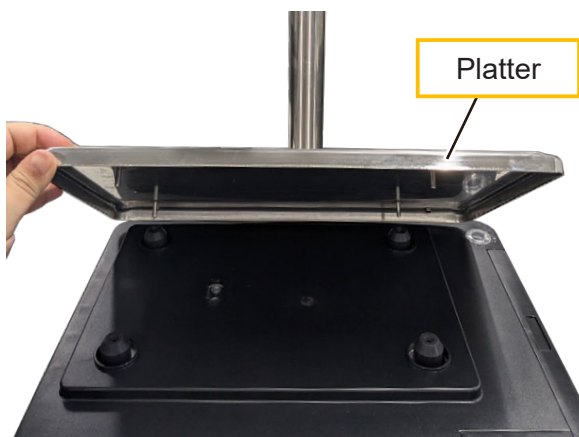


CAUTION

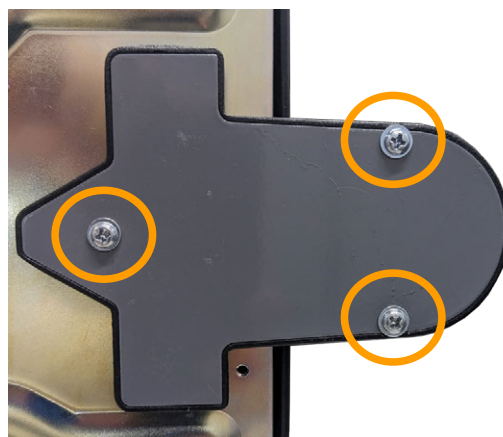
Make sure to unplug the power cord from the wall outlet before starting the disassembly work.

3.2.1 Pole Unit

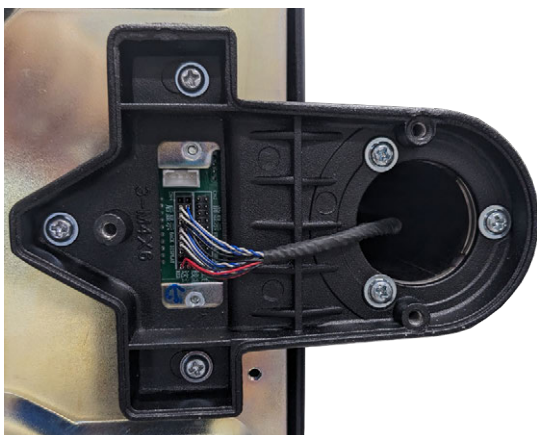
1. Detach the platter.



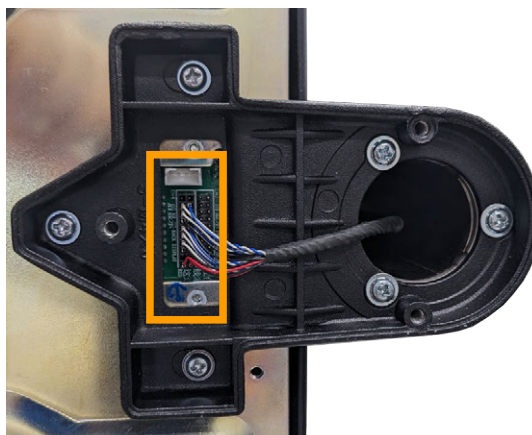
2. Remove the three screws.



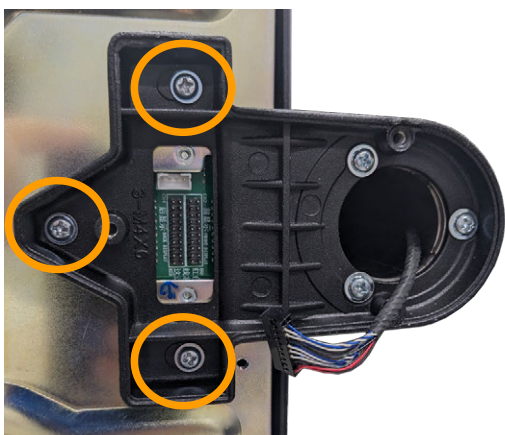
3. Detach the cover.



4. Unplug the connector.

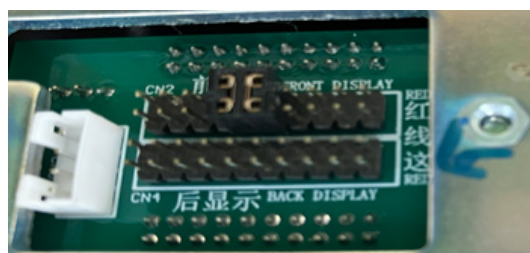


5. Remove the three screws and detach the base.

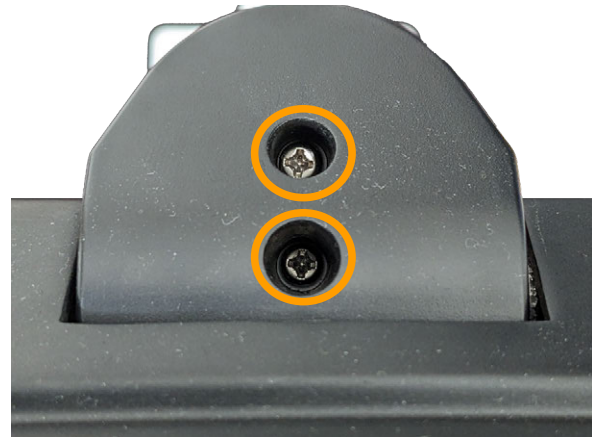
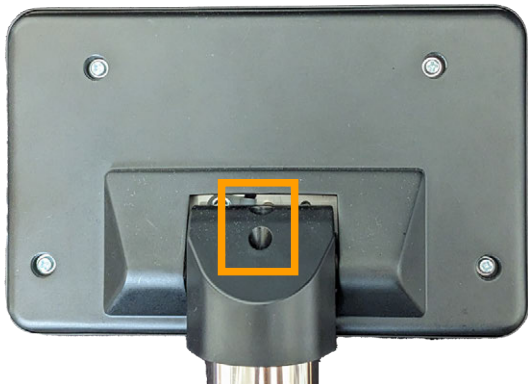


NOTE

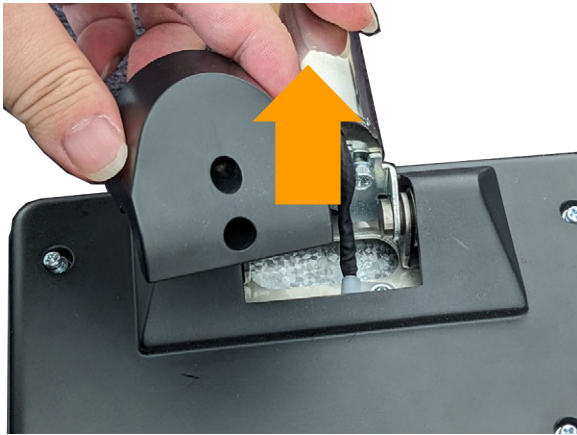
When installing the customer display on the Bench/Pole model, pay attention to the orientation of the harness. Insert the connector so that the red line is aligned with the pin on the side with the arrow.



6. Remove the two screws.



7. Detach the cover.



8. Remove the four screws.



9. Open the cover.



For the TOUCH PANEL PCB and DISPLAY, refer to the chapter 4 Electric Components.

*** Reverse this procedure for assembly.**

3.3 Hanging type

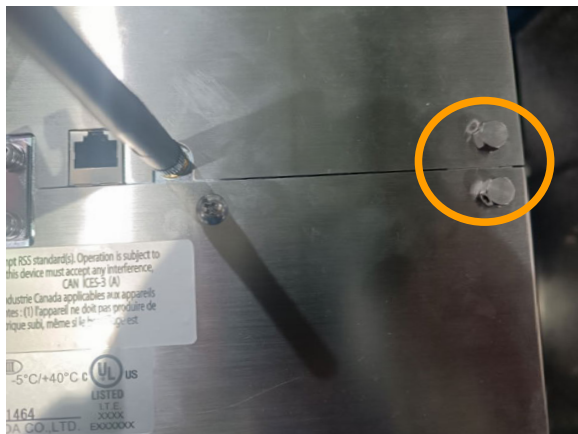


CAUTION

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

3.3.1 Case Cover

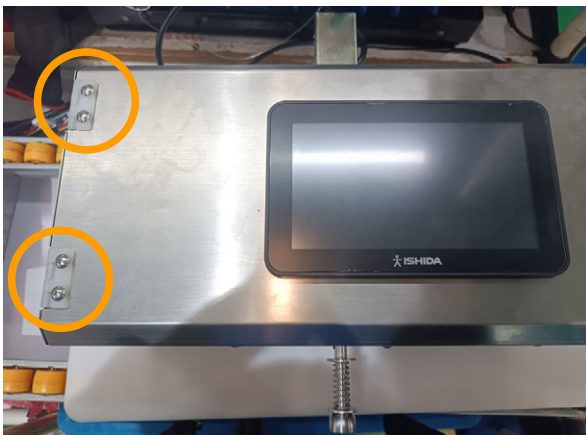
1. Remove two housing seal screws.



2. Remove the four hinge nuts and remove the side panels.



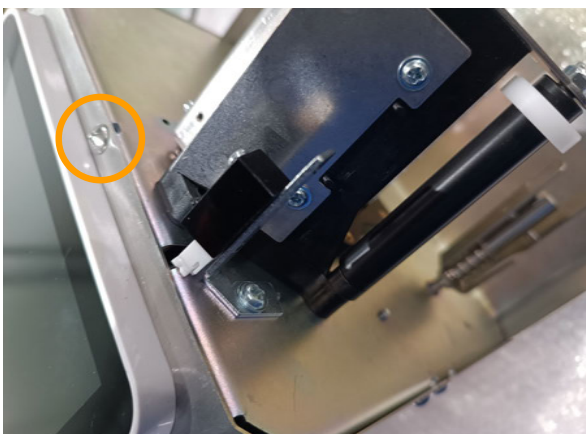
3. Remove the four screws and remove fixed hinges



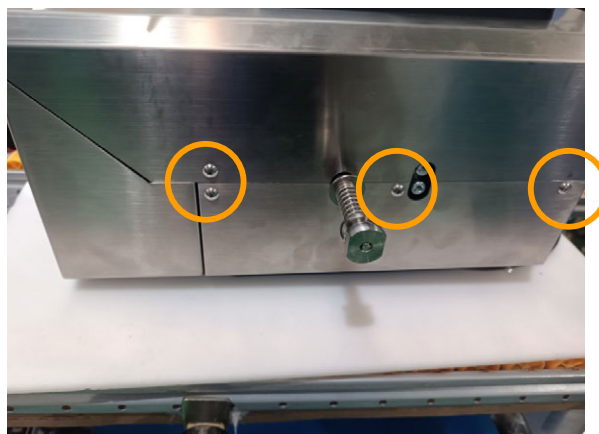
4. Remove the two screws and remove door magnet.



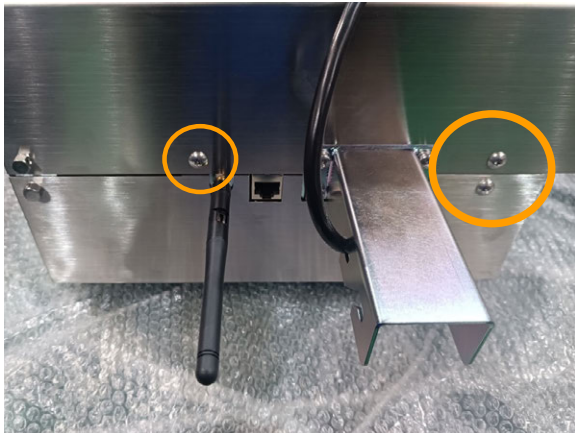
5. Remove the screw.



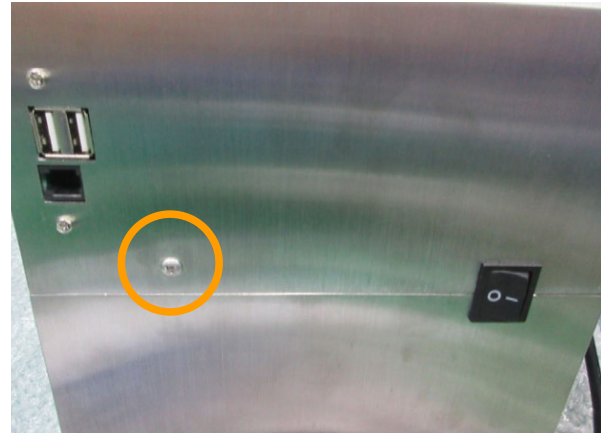
6. Remove the four screws.



7. Remove the three screws.

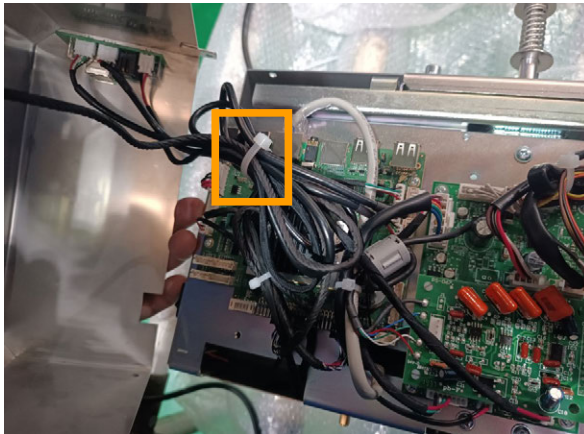


8. Remove the screw and remove front and rear covers.

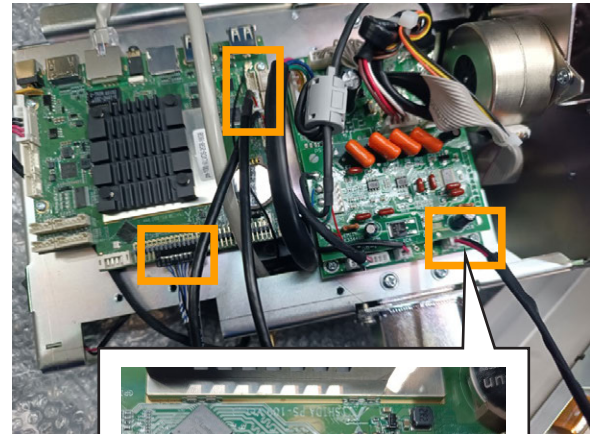


3.3.2 PS-105 Module Board

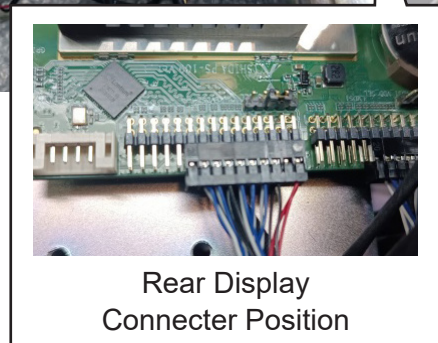
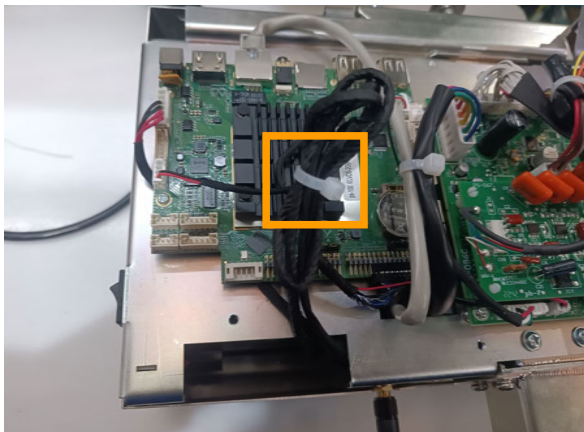
1. Cut off the cable tie.



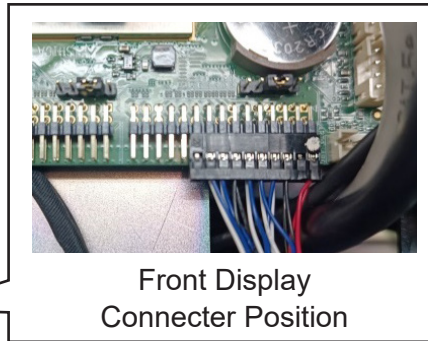
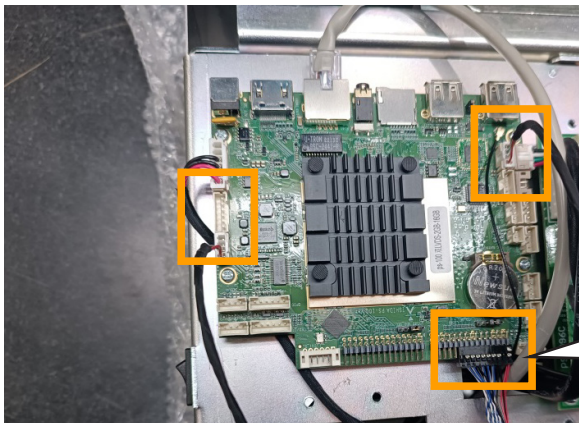
2. Unplug the connectors.



3. Cut off the cable tie.



4. Unplug the connectors.



5. Unplug the connectors.

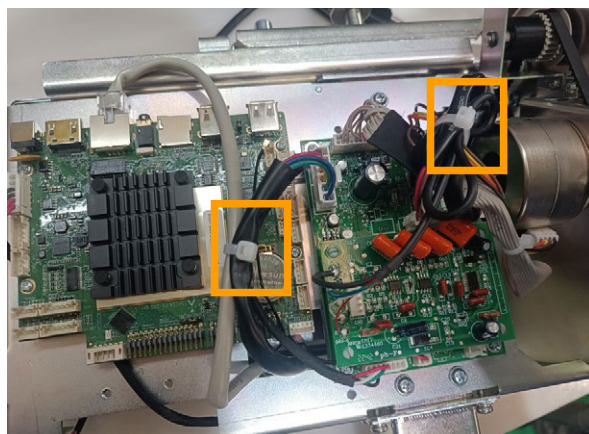


6. Remove the two screws and detach PS-105 module board.

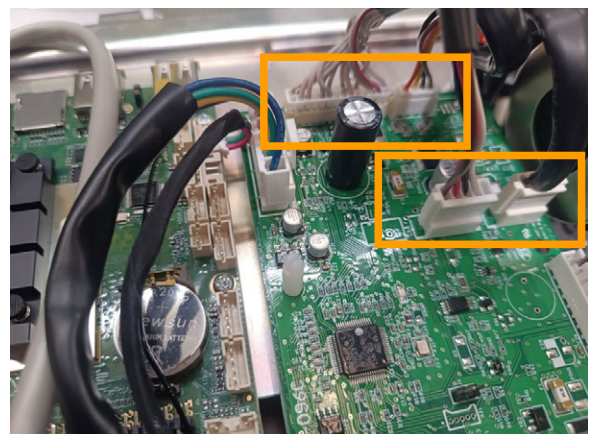


3.3.3 Thermal Head

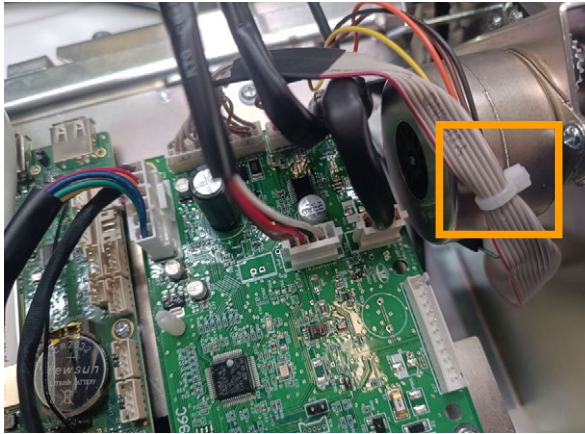
1. Cut off the two cable ties.



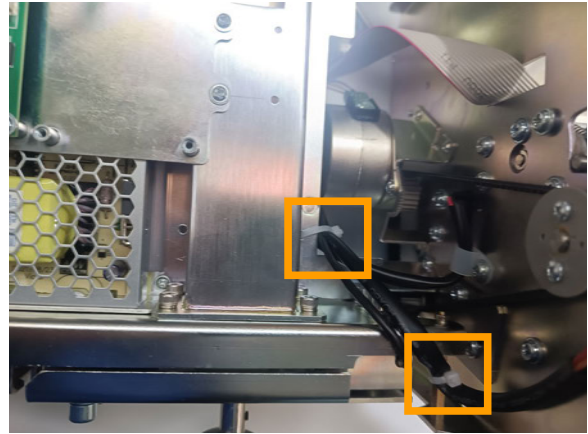
2. Unplug the connectors.



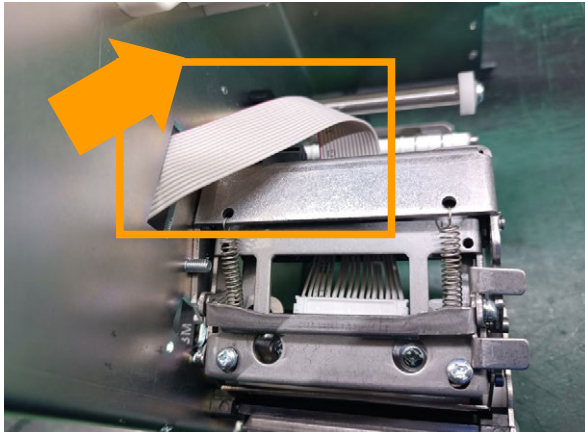
3. Cut off the cable tie.



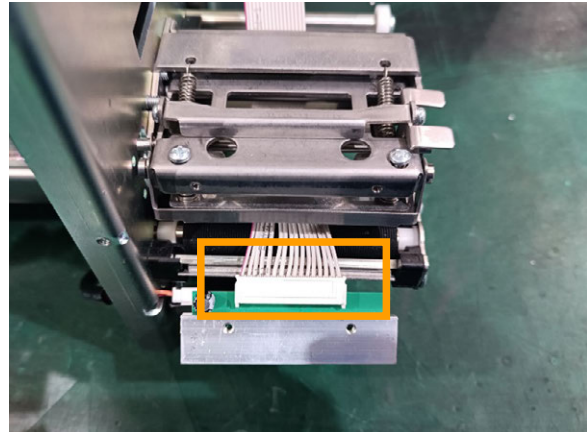
4. Cut off the two cable ties.



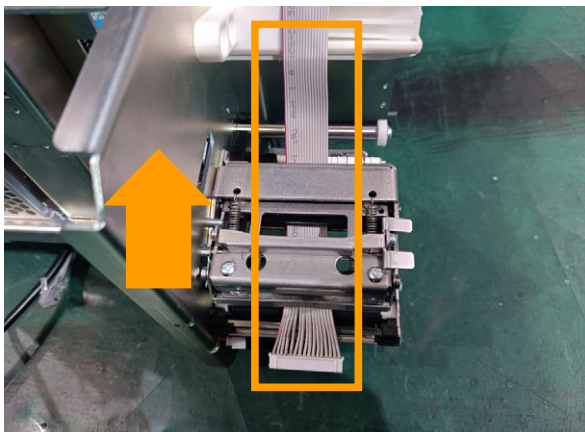
5. Pull out the print connection cable.



6. Unplug the connector and remove Thermal Head.

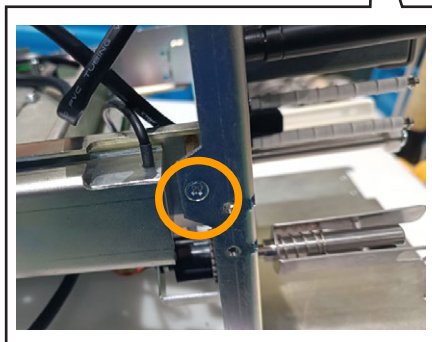
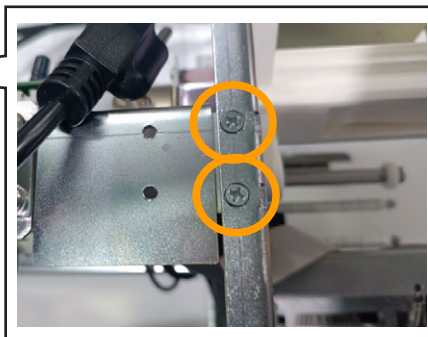
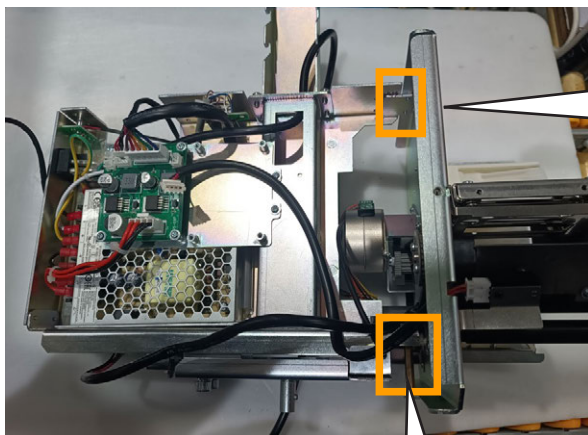


7. Pull out the print connection cable.

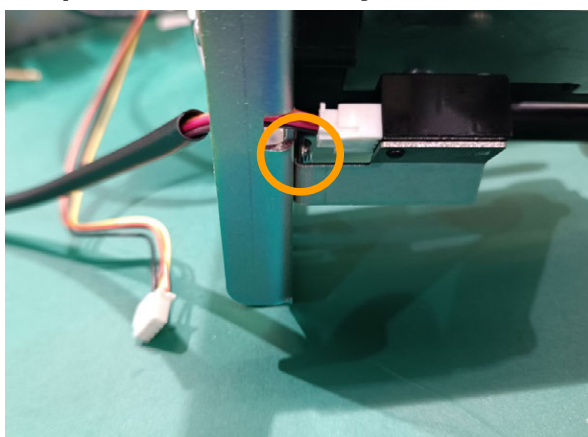


3.3.4 Printer Unit

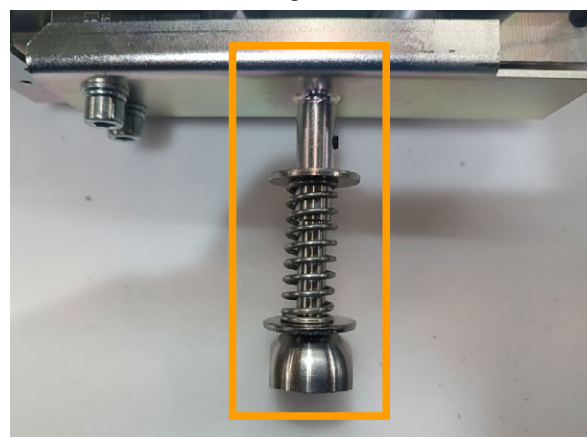
1. Remove the three screws and detach the printer unit.



2. Remove the screw and detach the peel sensor assembly.

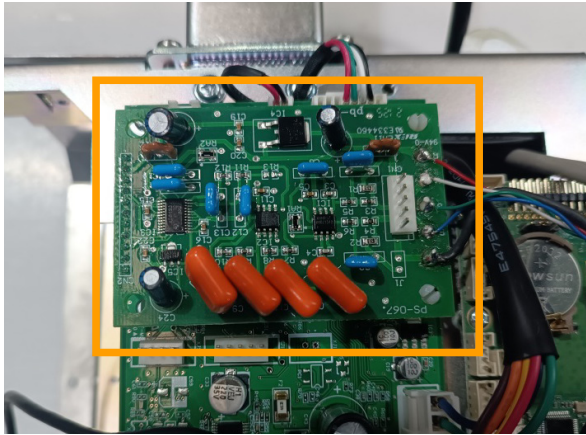


3. Remove the screw and detach the tie rod assembly.

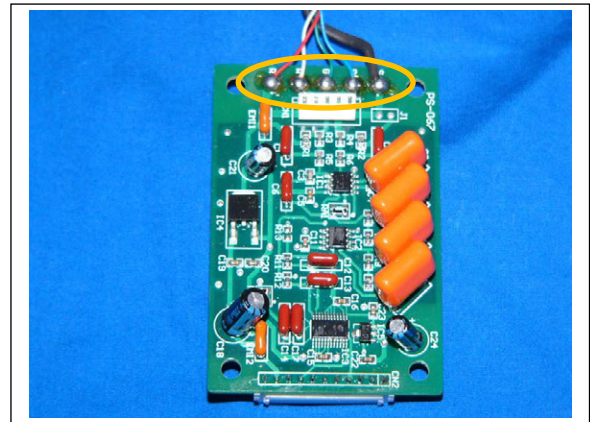


3.3.5 PS-067 A/D Board

1. Pull PS-067 straight up and unplug the connector on the back side.

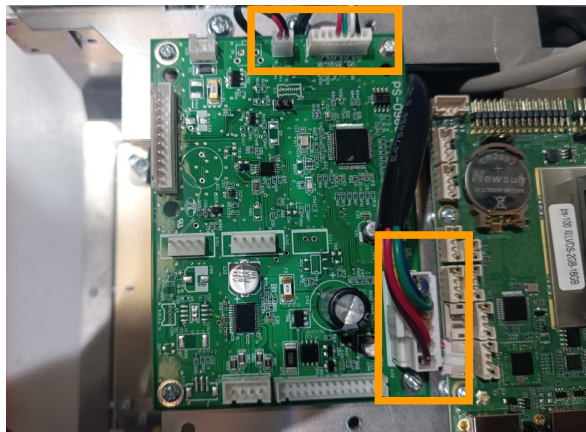


When replacing the load cell, remove the solder.

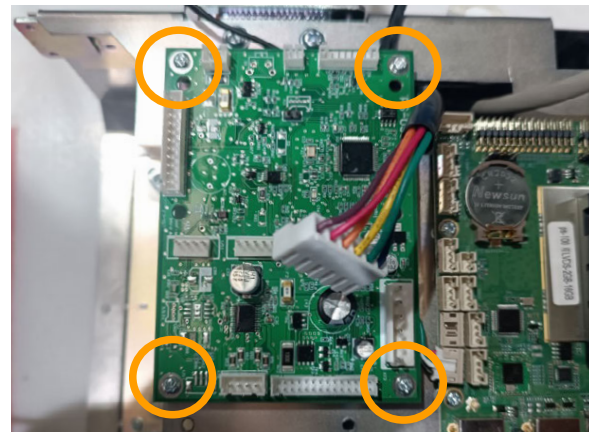


3.3.6 PS-096C Printer Board

1. Unplug the connectors.

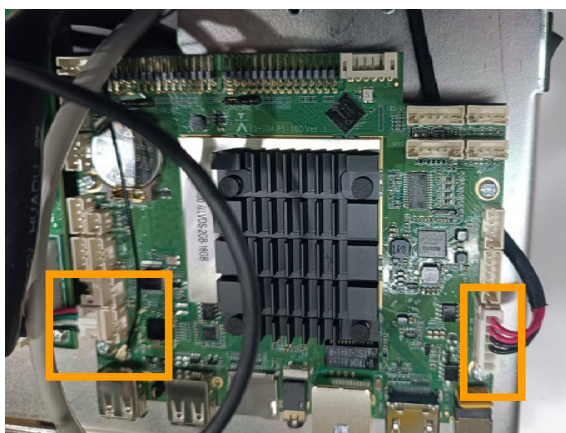


2. Remove the four screws and remove PS-096C Printer Board.

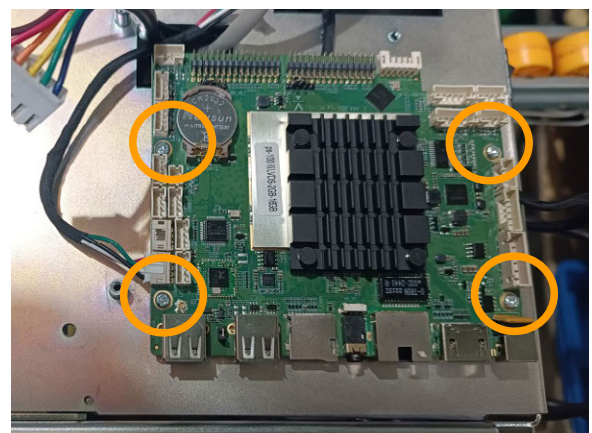


3.3.7 PS-100 Main Board

1. Unplug the connectors.

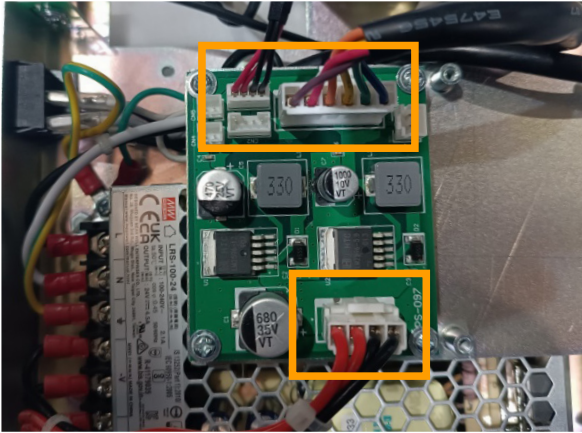


2. Remove the four screws and remove PS-100 Main Board.

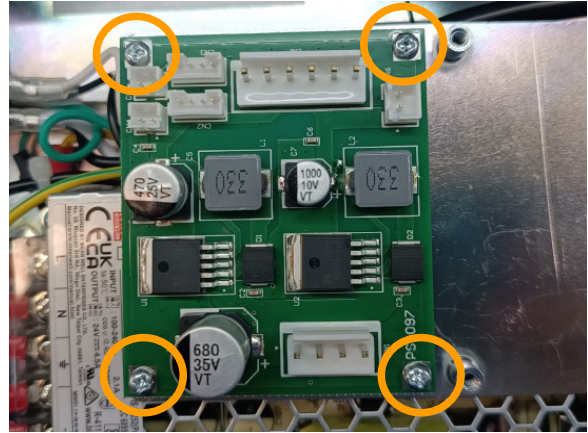


3.3.8 PS-097 Power Board

1. Unplug the connectors.

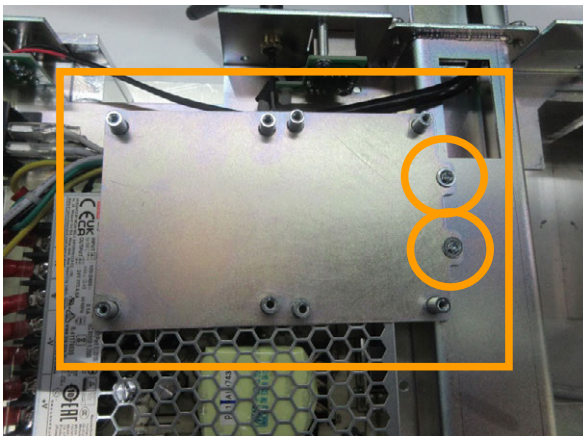


2. Remove the four screws and remove PS-097 Power Board.

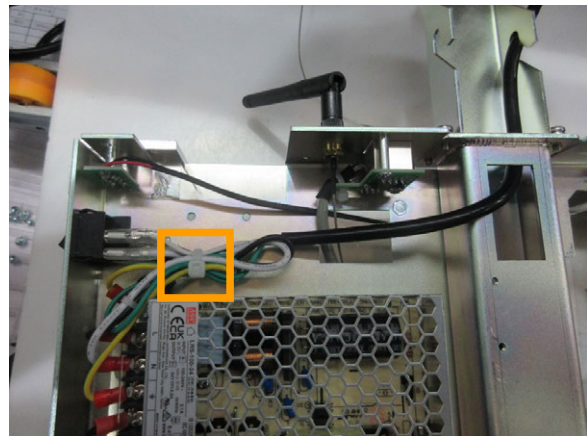


3.3.9 Power Supply

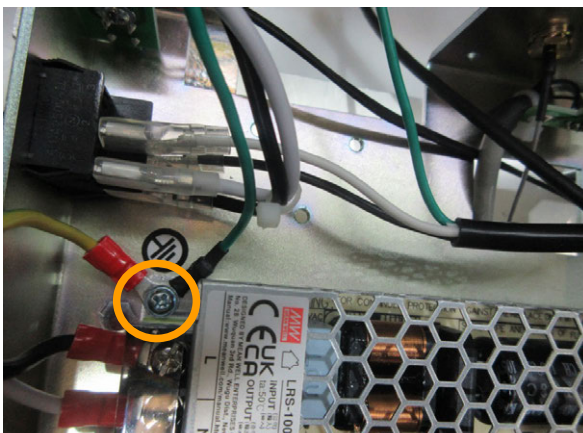
1. Remove the two screws and remove the support plate.



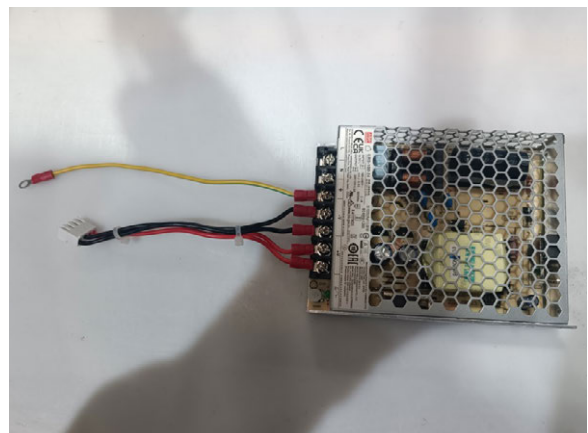
2. Cut off the cable tie.



3. Remove the screw and ground wires.

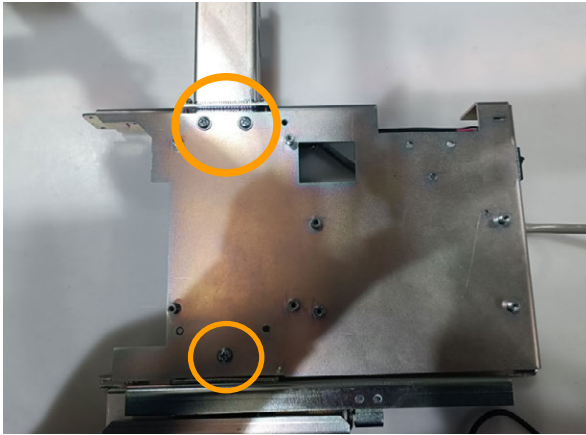


2. Detach the power supply.

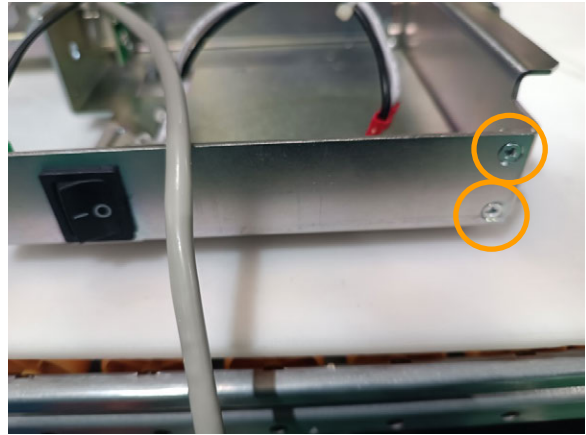


3.3.10 Load Cell

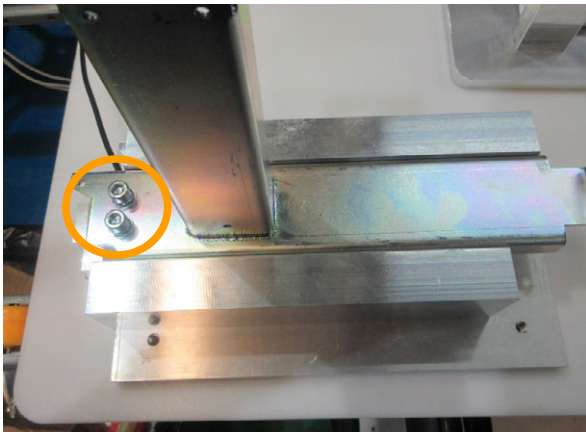
1. Remove the three screws.



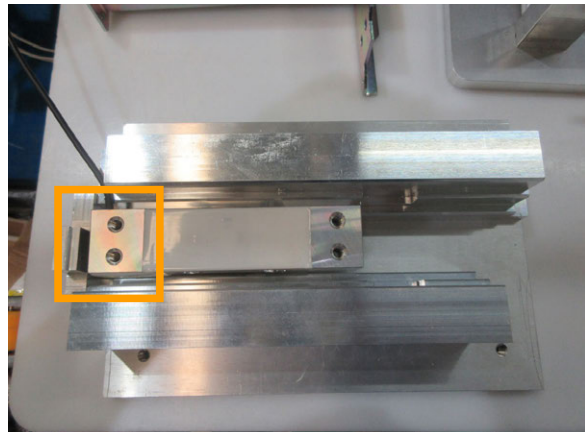
2. Remove the two screws and detach the load cell unit.



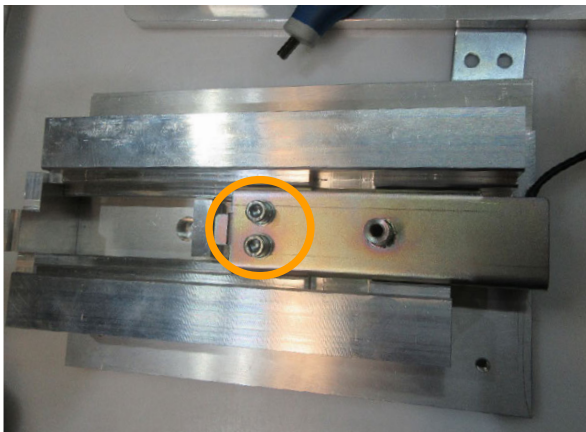
3. Remove the two screws and remove the bracket.



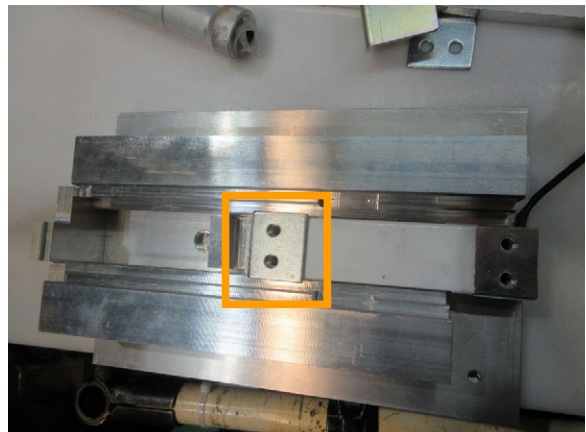
4. Remove the sensor gasket.



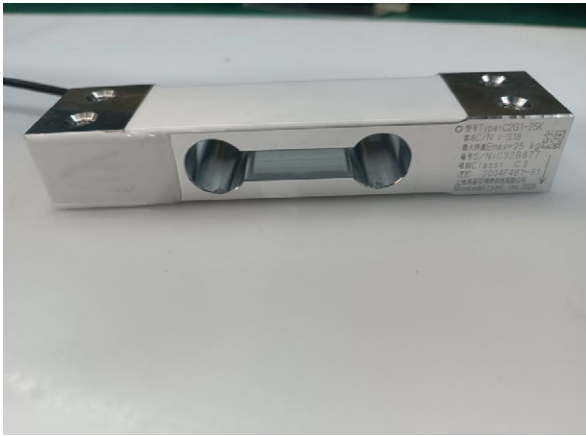
5. Flip and remove the two screws. Then remove the lower bracket.



6. Remove the sensor gasket.



7. Detach the load cell.



*** Reverse this procedure for assembly.**

Chapter 4 Electric Components

4.1 Disassembly procedure

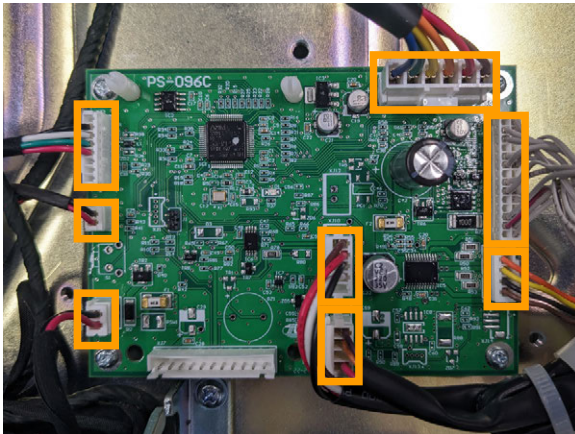


CAUTION

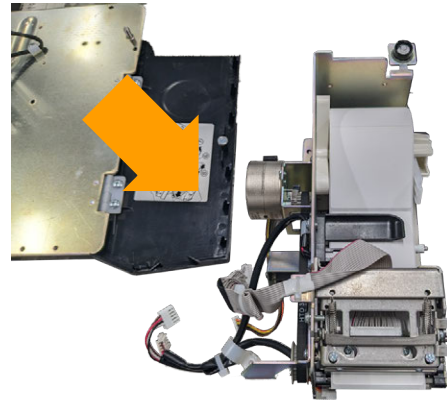
Make sure to unplug the power cord from the wall outlet before starting the disassembly work.

4.1.1 Printer Board PS-096C

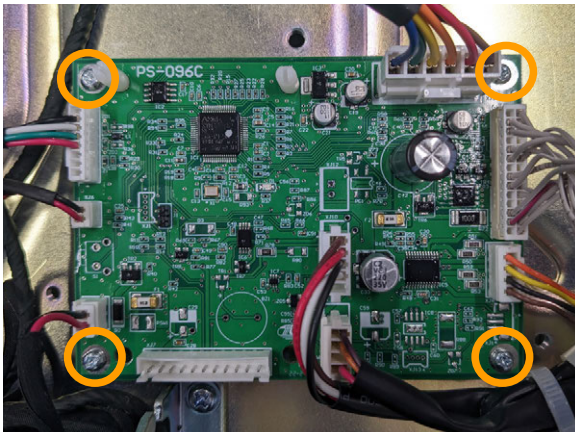
1. Unplug the eight connectors.



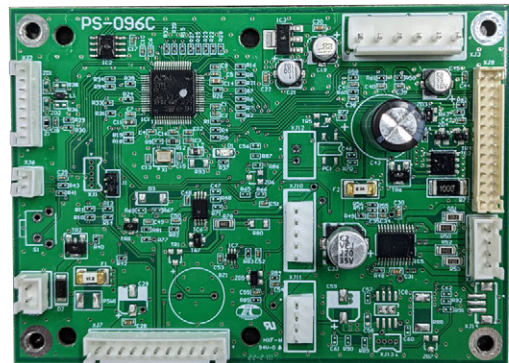
2. Detach the printer unit.



3. Remove the four screws.



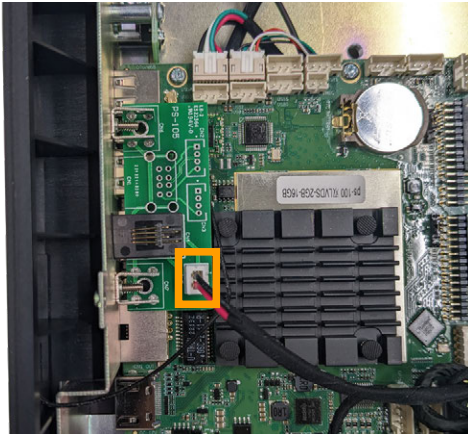
4. Remove the printer board.



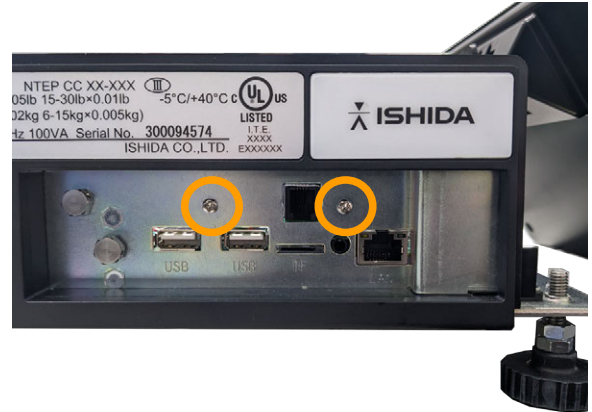
* Reverse this procedure for assembly.

4.1.2 Module Board PS-105

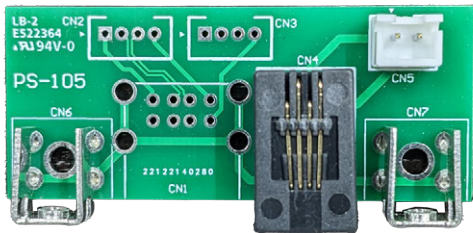
1. Unplug the one connector.



2. Remove the two screws.



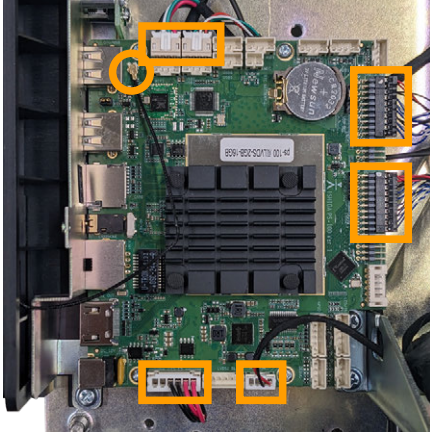
3. Remove the Module Board.



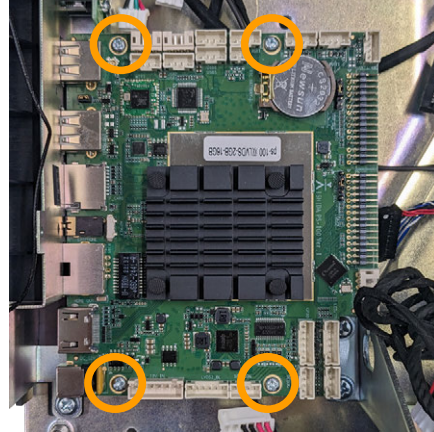
* Reverse this procedure for assembly.

4.1.3 Main Board PC-100

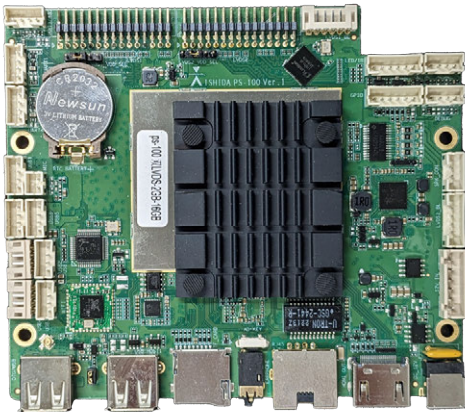
1. Unplug the seven connectors.



2. Remove the four screws.



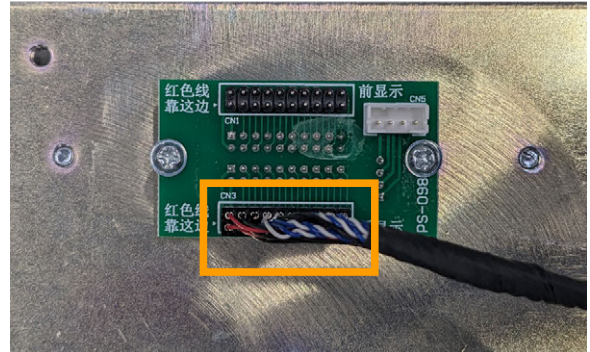
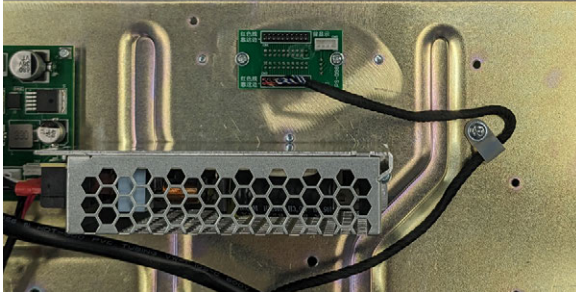
3. Remove the main board.



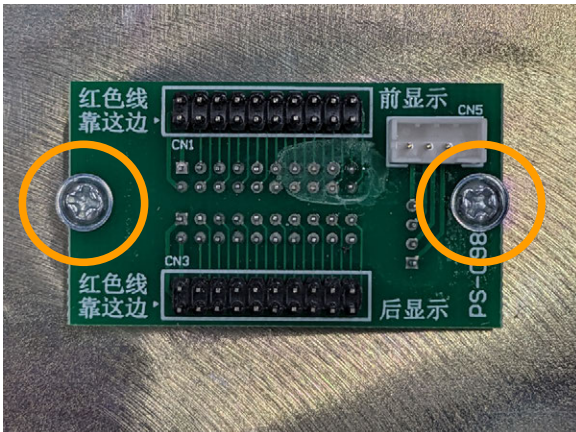
* Reverse this procedure for assembly.

4.1.4 Display Board PS-098

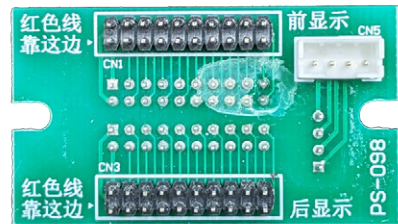
1. Unplug the one connector.



2. Remove the two screws.



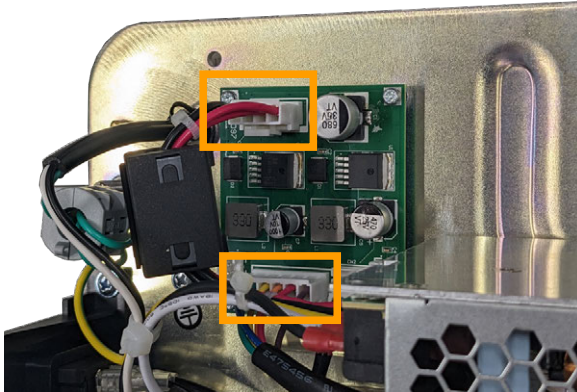
3. Remove the display board.



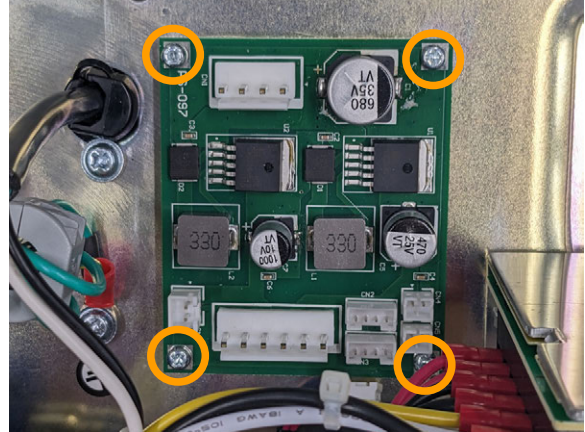
* Reverse this procedure for assembly.

4.1.5 Power Board PS-097

1. Unplug the two connectors.



2. Remove the four screws.



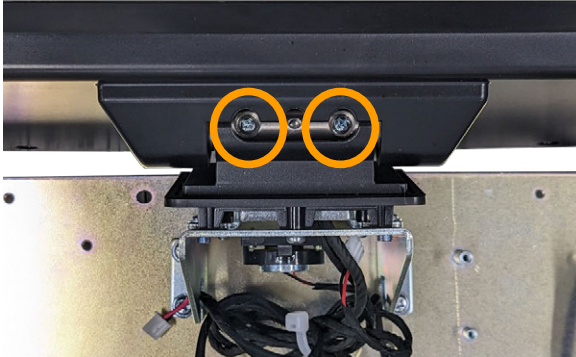
3. Remove the power board.



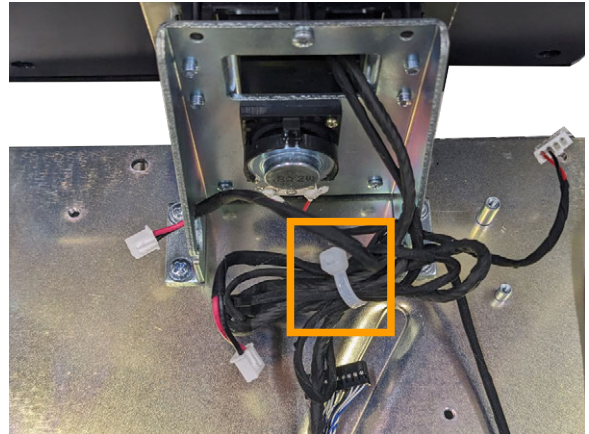
* Reverse this procedure for assembly.

4.1.6 Main Display and Touch Panel Board

1. Remove the two screws.



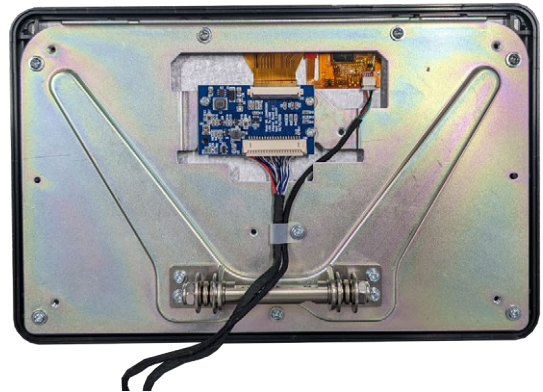
2. Cut the tie and untie the cords.



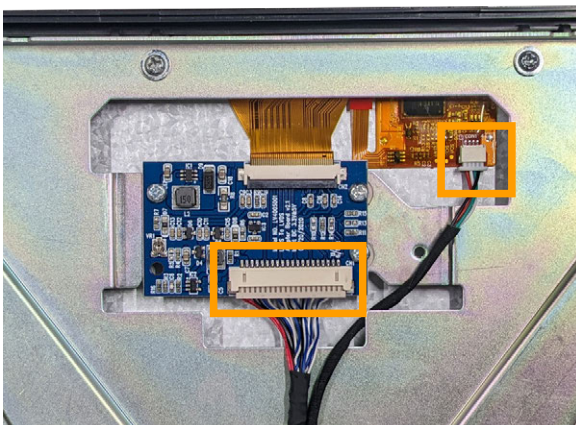
3. Remove the four screws.



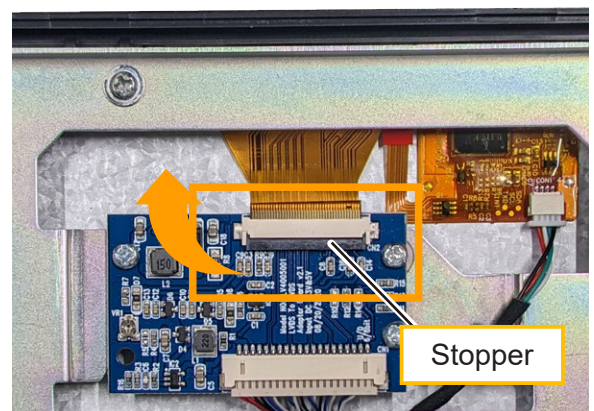
4. Remove the cover.



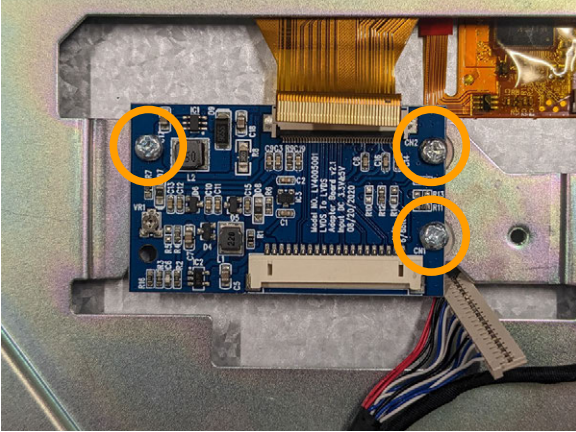
5. Unplug the two connectors.



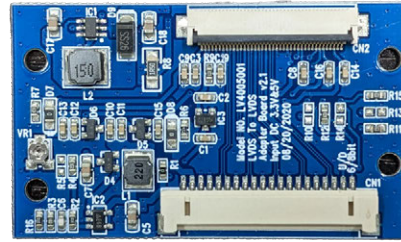
6. Pull up the stopper and unplug the flat cable.



7. Remove the three screws.

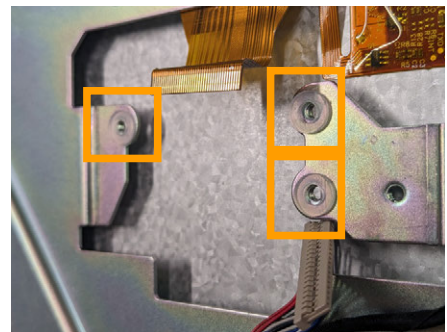


8. Remove the touch panel board.



NOTE

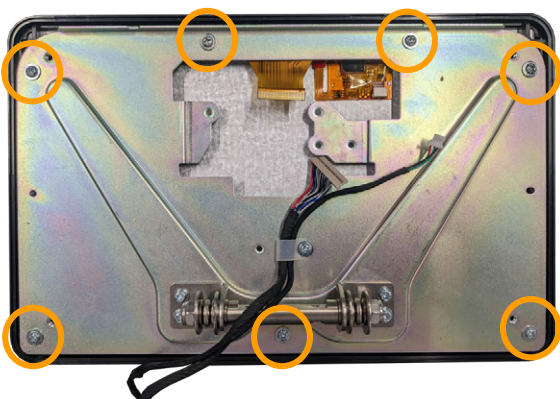
Be careful not to lose the plastic spacers.



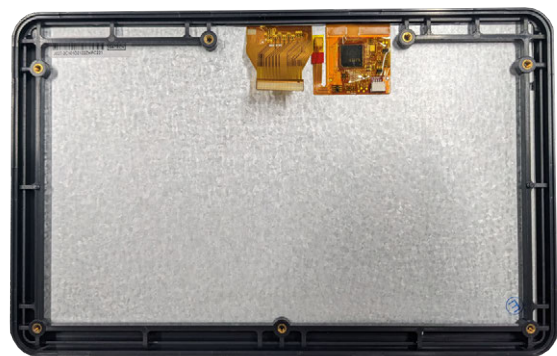
NOTE

Double-sided tape is required for maintenance.

9. Remove the seven screws.



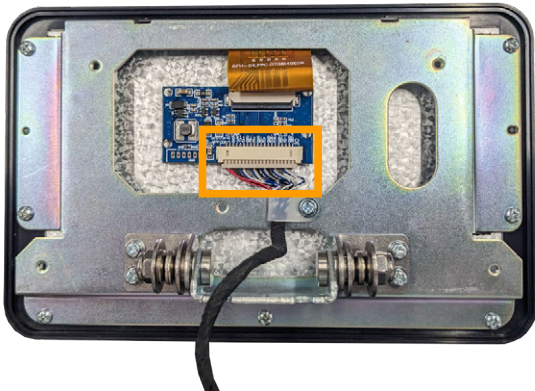
10. Remove the plate.



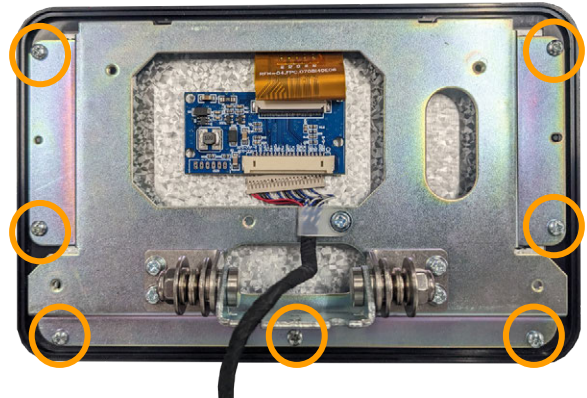
* Reverse this procedure for assembly.

4.1.7 Customer Display

1. Unplug the one connector.



2. Remove the seven screws.



3. Remove the plate.

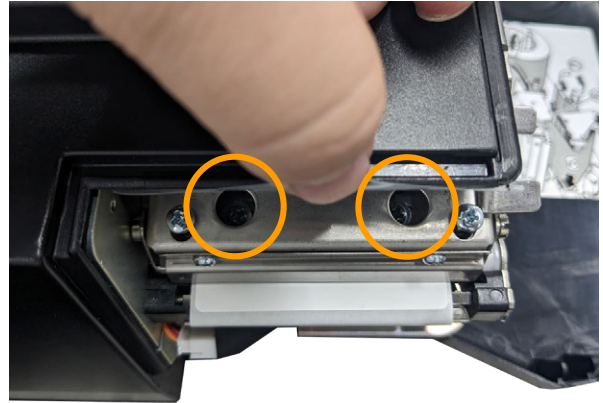


4.1.8 Thermal head

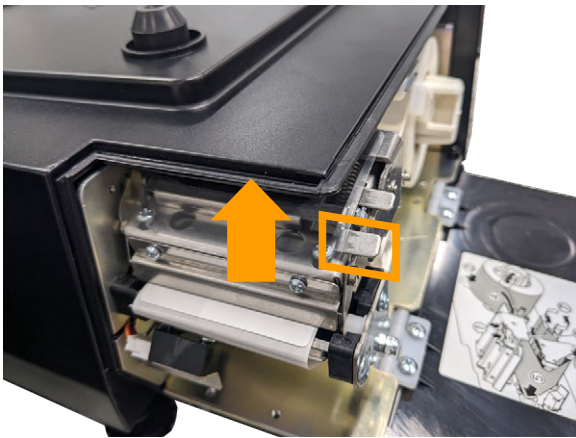
1. Open the side cover and remove the cassette cover.



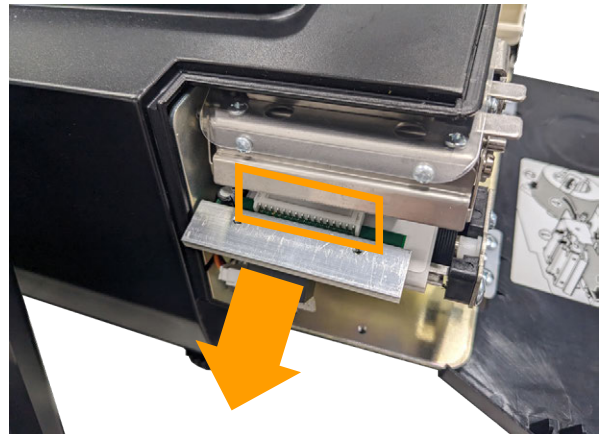
2. While holding the plate, remove the two screws.



3. Push up the plate.



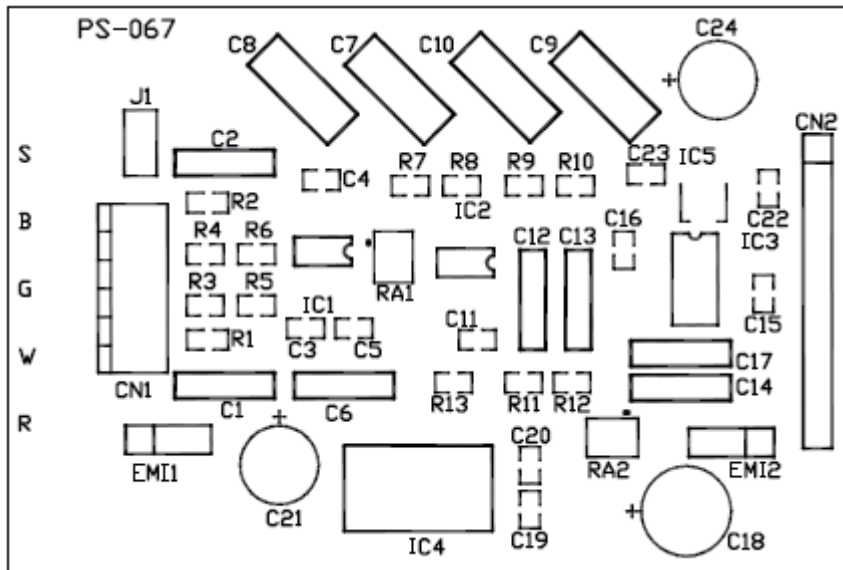
4. Pull out the thermal head and unplug the connector. Set the original position for assembly.



* Reverse this procedure for assembly.

4.2 Electrical signals

4.2.1 PS-067



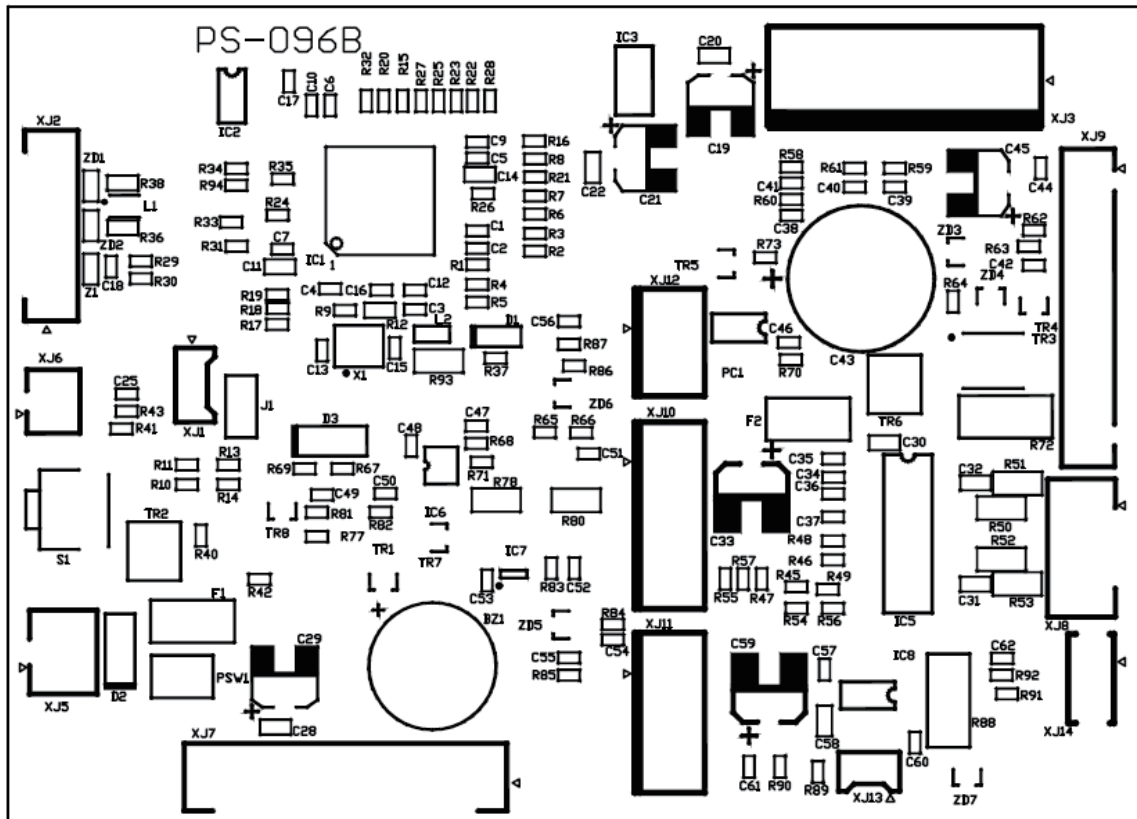
CN1

No.	Signal Name	Direction	Opposite Side
1	R	-	Load Cell
2	W	-	
3	G	<-	
4	B	<-	
5	S	-	

CN2

No.	Signal Name	Direction	Opposite Side
1	Not Connected		PS-096C
2	XIN_2.5MHz	<-	
3	RESET	<-	
4	SCLK	<-	
5	Not Connected		
6	+5V	-	
7	Not Connected		
8	DRDY	->	
9	GND	-	
10	VIN	-	
11	Not Connected		

4.2.2 PS-096C



XJ2

No.	Signal Name	Direction	Opposite Side
1	Not Connected		PS-100 USB
2	Not Connected		
3	Not Connected		
4	VBUS	-	
5	D-	<->	
6	D+	<->	
7	GND	-	
8	Not Connected		

XJ3

No.	Signal Name	Direction	Opposite Side
1	VH	-	PS-097
2	VH	-	
3	12V	-	
4	5V	-	
5	GND	-	
6	GND	-	

XJ5

No.	Signal Name	Direction	Opposite Side
1	VH	->	Cash Drawer
2	GND	-	

XJ6

No.	Signal Name	Direction	Opposite Side
1	SPAN_SW	<-	PS-063, PS-055
2	GND	-	

XJ7

No.	Signal Name	Direction	Opposite Side
1	Not Connected		PS-067
2	XIN_2.5MHz	->	
3	RESET	->	
4	SCLK	->	
5	Not Connected		
6	+5V	-	
7	Not Connected		
8	DRDY	<-	
9	GND	-	
10	VIN	-	
11	Not Connected		

XJ8

No.	Signal Name	Direction	Opposite Side
1	1A	->	Step motor
2	1B	->	
3	2A	->	
4	2B	->	

XJ9

No.	Signal Name	Direction	Opposite Side
1	VCC	-	Thermal Head
2	GND	-	
3	CLK	->	
4	LATCH	->	
5	Not Connected		
6	STB1	->	
7	Not Connected		

No.	Signal Name	Direction	Opposite Side
8	Not Connected		Thermal Head
9	Not Connected		
10	DI	->	
11	TH1	<-	
12	TH2	<-	
13	GND	-	
14	GND	-	
15	GND	-	
16	GND	-	
17	GND	-	
18	GND	-	
19	GND	-	
20	VH	-	
21	VH	-	
22	VH	-	
23	VH	-	
24	VH	-	
25	VH	-	
26	VH	-	
27	STB2	->	
28	Not Connected		

XJ10

No.	Signal Name	Direction	Opposite Side
1	3.3V	-	Label Sensor
2	VCC for LED	->	
3	GND	-	
4	Sensor In	<-	
5	Not Connected		

XJ11

No.	Signal Name	Direction	Opposite Side
1	5V for Peel Sensor	-	Peel Sensor
2	GND	-	
3	3.3V	-	
4	Sensor In	<-	

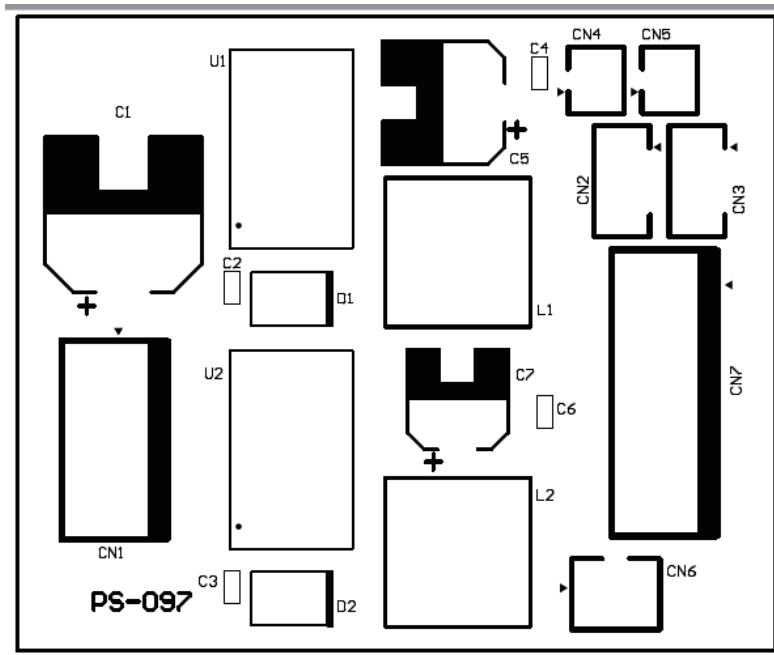
XJ13

No.	Signal Name	Direction	Opposite Side
1	OUT1	->	Cutter Unit
2	OUT2	->	
3	Sensor In	<-	
4	GND	-	

XJ14

No.	Signal Name	Direction	Opposite Side
1	3.3V	-	Cutter Set Sensor
2	Sensor In	<-	
3	GND	-	

4.2.3 PS-097



CN1

No.	Signal Name	Direction	Opposite Side
1	24V	<-	Switch Power Supply
2	24V	<-	
3	GND	<-	
4	GND	<-	

CN2

No.	Signal Name	Direction	Opposite Side
1	12V	->	PS-100
2	12V	->	
3	GND	->	
4	GND	->	

CN3

No.	Signal Name	Direction	Opposite Side
1	12V	->	PS-100
2	12V	->	
3	GND	->	
4	GND	->	

CN4

No.	Signal Name	Direction	Opposite Side
1	12V	->	
2	GND	->	

CN5

No.	Signal Name	Direction	Opposite Side
1	12V	->	
2	GND	->	

CN6

No.	Signal Name	Direction	Opposite Side
1	5V	->	
2	GND	->	

CN7

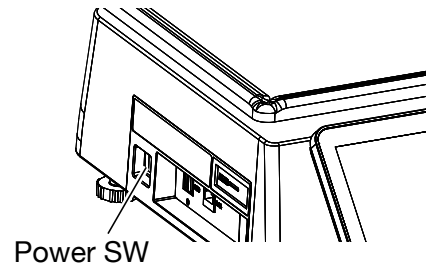
No.	Signal Name	Direction	Opposite Side
1	24V	->	PS-096C
2	24V	->	
3	12V	->	
4	5V	->	
5	GND	->	
6	GND	->	

Chapter 5 Setup Mode

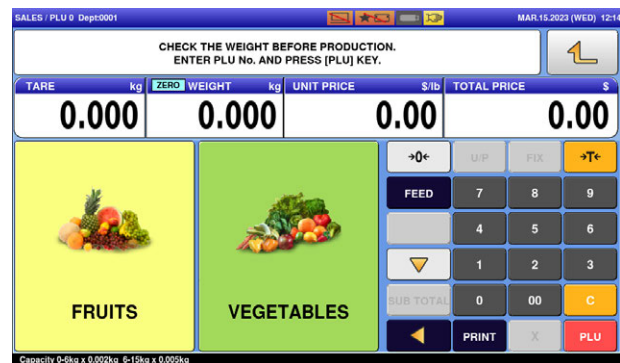
5.1 Setup menu

5.1.1 Startup

1. Turn on power.



2. Press  button at the upper right side of screen.

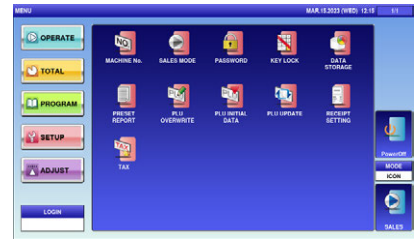


Press [SETUP] and [LOGIN] button, then input Password "495344" using numerical keys, and press [SET] button.

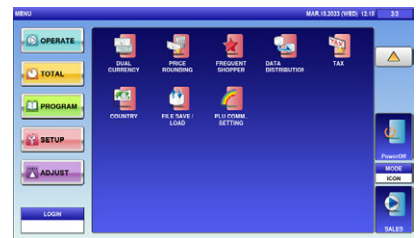
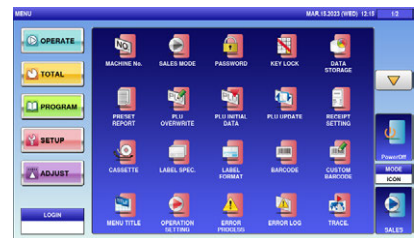


3. Press only [LOGIN] button to log out.

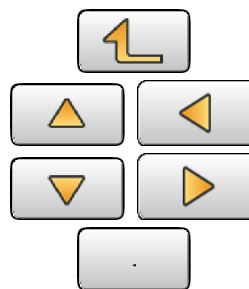
Before log in



Login screens



Common operating buttons



- Return to Menu.
- Return to previous page.
- Go to next page.
- Input [.]

5.2 Machine No. setting

5.2.1 Basic

5.2.1.1 Alone

The screenshot displays the 'MACHINE No. (BASIC)' configuration interface. At the top, it shows the date and time: 'MAR.15.2023 (WED) 12:16'. The main area contains several input fields and buttons:

- MACHINE No.:** A text box containing the value '1'.
- NETWORK No.:** A text box containing the value '1'.
- MASTER IP ADDRESS:** A text box containing '157.108.194.239'.
- MACHINE SET:** A group of three buttons: 'ALONE' (highlighted in yellow), 'MASTER', and 'SAT.'.
- MASTER PORT:** A text box containing '0'.
- SAT. PORT:** A text box containing '0'.
- COMMUNICATION MODE:** A group of two buttons: 'OFFLINE' and 'ONLINE'.
- PLU SYNC.:** A group of two buttons: 'YES' and 'NO'.
- PLU REFERENCE:** A group of two buttons: 'LOCAL' and 'MASTER'.
- PING TO MAS.:** A button located on the right side of the screen.

At the bottom, there is a navigation bar with buttons for 'BASIC', 'IP ADDR.', 'PC COM', 'WIFI', and 'GLOBAL SV.'.

Menu name	Specification
MACHINE No.	Enter the machine number. Input range: 1 to 99
NETWORK No.	Enter the network number. Input range: 1 to 9
MACHINE SET	Select one of the stand-alone, master or satellite machines. ALONE / MASTER / SAT. This function is enabled only when you log into the service network. The confirmation dialog appears when ALONE, MASTER and SAT. are selected respectively.

5.2.1.2 Master

Menu name	Specification
MASTER PORT	Enter the master port number. Input range: 0 to 65535
SAT. PORT	Enter the satellite port number. Input range: 0 to 65535
PLU SYNC.	Enter whether or not to sync with the PLU. YES / No
Enabled only when you access above menus after logging in with the service password.	

5.2.1.3 SAT.

The screenshot shows a web-based configuration interface for a machine. The title bar reads 'MACHINE No. (BASIC)' and the top right corner shows the date and time 'MAR.15.2023 (WED) 12:16'. The main area contains several configuration sections:

- MACHINE No.:** 1
- NETWORK No.:** 1
- MASTER IP ADDRESS:** 157.108.194.239
- MACHINE SET:** ALONE, MASTER, SAT. (SAT. is selected)
- MASTER PORT:** 0
- SAT. PORT:** 0
- COMMUNICATION MODE:** OFFLINE, ONLINE (ONLINE is selected)
- PLU SYNC:** YES, NO
- PLU REFERENCE:** LOCAL, MASTER (MASTER is selected)

At the bottom, there is a navigation bar with buttons for 'BASIC', 'IP ADDR.', 'PC COM', 'WIFI', and 'GLOBAL SV.'. On the right side, there is a 'PING TO MAS.' button.

Menu name	Specification
MASTER IP ADDRESS	Enter the IP address of master. Input range: "0.0.0.0" to "255.255.255.255"
COMMUNICATION MODE	Select mode of communication online or offline. OFFLINE / ONLINE
PLU REFERENCE	Select mode of PLU reference setting. LOCAL / MASTER
PING TO MAS.	Ping the master.
Enabled only when you access above menus after logging in with the service password and [SAT.] is selected.	

5.2.2 IP address

MACHINE No. (IP ADDRESS) JN.30.2023 (FRI) 08:00

IP ADDRESS	157.108.194.10	DNS SERVER1	0.0.0.0
SUBNET MASK	255.255.255.0	DNS SERVER2	0.0.0.0
DEFAULT GATEWAY	0.0.0.0	DHCP MODE	
MAC ADDRESS	24:97:ED:1E:E2:75	OFF	ON
IP AUTO	NO	LAN/WIFI ENABLE	
	YES	WIFI	LAN

PING TO PC

BASIC IP ADDR. PC COM WIFI GLOBAL SV.

Menu name	Specification
IP ADDRESS	Enter the IP address. Input range: "0.0.0.0" to "255.255.255.255"
SUBNET MASK	Enter the subnet mask. Input range: "0.0.0.0" to "255.255.255.255"
DEFAULT GATEWAY	Enter the default gateway. Input range: "0.0.0.0" to "255.255.255.255"
DNS SERVER1	Enter the IP address of Primary DNS server. Input range: "0.0.0.0" to "255.255.255.255"
DNS SERVER2	Enter the IP address of Secondary DNS server. Input range: "0.0.0.0" to "255.255.255.255"
IP AUTO	Enter whether or not to determine the IP address automatically.
LAN WIFI ENABLE	Enter whether WIFI or LAN to enable.
PING TO PC	Ping the PC.

5.2.3 PC COM

MACHINE No. (PC COM) JN.30.2023 (FRI) 08:00

PC IP ADDRESS 157.108.194.20	PRESET FUNC. NAME REFER COM. DATA PLU
PC PORT No. 55201	PC PORT No.(UNI-7) 0
COM CHECK PERIOD (SEC) 0	TARE ADJUST NO YES
COM CHECK TIME OUT(SEC) 2	OPEN PRICE RECEIVE YES NO
ERROR LOG SEND NO SEND SEND	PROD. TRAN. SEND NO SEND SEND
FIELD NAME ENABLE DISABLE ENABLE	SALE TRAN. SEND NO SEND SEND
LAN CONNECT CHECK DISABLE ENABLE	

Menu name	Specification
PC IP ADDRESS	Enter the PC's IP address. Input range: "0.0.0.0" to "255.255.255.255"
PC PORT No.	Enter the PC's port number. Input range: 0 to 65535
COM CHECK PERIOD (SEC)	Enter the command check period. Input range: 0 or 30 to 9999
COM CHECK TIME OUT (SEC)	Enter the command check time-out. Input range: 2 to 5
ERROR LOG SEND	Enter whether or not to send the error log. NO SEND / SEND
FIELD NAME ENABLE	Select and set whether or not to add filed name to the transmission data. DISABLE / ENABLE
LAN CONNECT CHECK	Enter whether or not to check the LAN connection. DISABLE / ENABLE
PRESET FUNC. NAME REFER	Select the preset function name reference. COM.DATA / PLU
PC PORT NO. (UNI-7)	Enter the PC's port number. Input range: 0 to 65535
PROD. TRAN. SEND	Enter whether or not to perform transmission of Production Transaction. NO SEND / SEND
TARE ADJUST	? NO / YES
OPEN PRICE RECEIVE	? YES / NO

Menu name	Specification
PROD. TRAN. SEND	Enter whether or not to perform transmission of Prod. Transaction. NO SEND / SEND
SALE TRAN. SEND	Enter whether or not to perform transmission of Sale Transaction. NO SEND / SEND
PING TO PC	Ping the PC.

5.2.4 WiFi

MACHINE No. (WiFi) JN.30.2023 (FRI) 08:00

SECURITY / AUTHENTICATION / ENCRYPTION

NONE WEP64 WEP 128 WEP64 Shared Key WEP 128 ShKey WPA PSK TKIP WPA PSK CCMP WPA2 PSK TKIP WPA2 PSK CCMP

SSID (WIRELESS NETWORK NAME) KEY TYPE

Redmi Note 11 Pro HEX ASCII PASSPH.

WEP KEY INDEX PSK (Pre Shared Key)

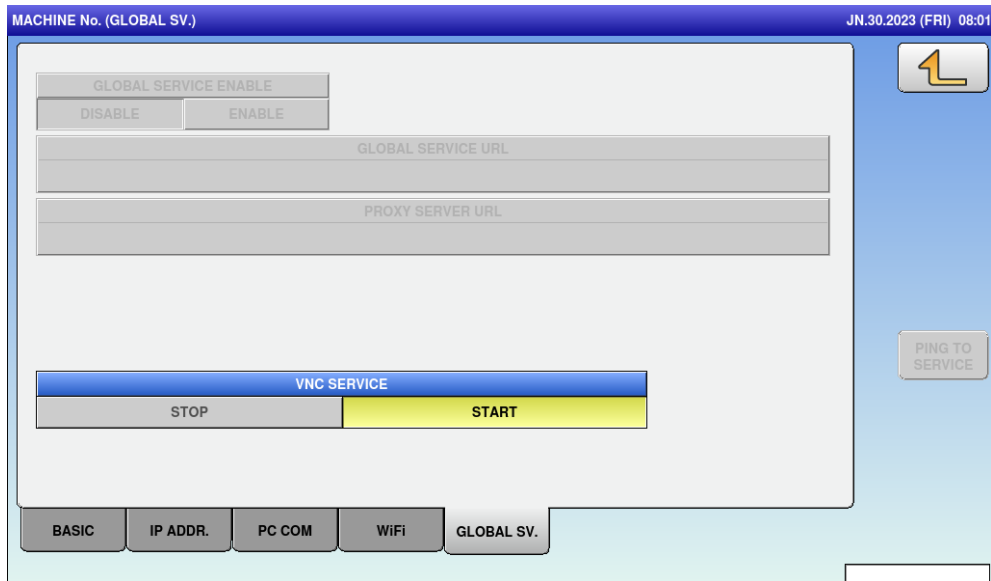
1 2 3 4 1234567890

PING TO PC

BASIC IP ADDR. PC COM WiFi GLOBAL SV.

Menu name	Specification
SECURITY / AUTHENTICATION / ENCRYPTION	Select the method of security/authentication/encryption. NONE / WEP64 / WEP128 / WEP64 Shared Key / WEP128 ShKey / WPA PSK TKIP / WPA PSK CCMP / WPA2 PSK TKIP / WPA2 PSK CCMP
SSID (WIRELESS NETWORK NAME)	Enter the SSID. Press button to open editor screen. Up to 32 bytes
KEY TYPE	Select the WEP key index. HEX / ASCII / PASSPH
WEP KEY INDEX	Select the WEP key index. 1 / 2 / 3 / 4 This function is enabled only when one of WEP64 / WEP128 / WEP64 Shared Key / WEP128ShKey is selected for security / authentication / encryption.
WEP64 KEY	Enter the WEP64 Key. Up to 5 bytes This function is enabled only when one of WEP64 / WEP128 / WEP64 Shared Key / WEP128ShKey is selected for security / authentication / encryption.
PING TO PC	Ping the PC.

5.2.5 Global SV



Menu name	Specification
GLOBAL SERVICE ENABLE	Select and set whether or not to use the cloud function (Global Service). DISABLE / ENABLE
The following parameters are valid only when GLOBAL SERVICE ENABLE setting is set to [ENABLE] (grayed out when set to [DISABLE])	
GLOBAL SERVICE URL	Enter the URL of Cloud server (only when the function is valid). Press button to open editor screen.
PROXY SERVER URL	Enter the URL of Proxy server (only when the function is valid). Press button to open editor screen.
PING TO SERVICE	Send PING to the set cloud server (When the cloud function is not in use, the option is grayed out).


Menu name	Specification
VNC SERVICE	Select whether or not to use the VNC service. After startup, you can connect the Uni-8 and perform remote operation using the VNC Viewer. STOP / START

5.3 Sales mode

SALES MODE MAR.15.2023 (WED) 12:17

Please select the sales mode.

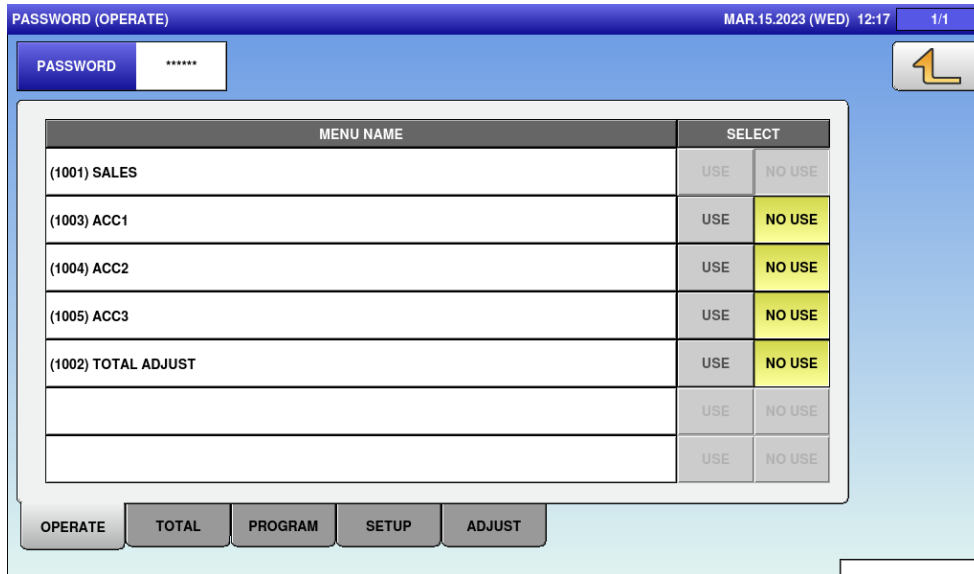
NO OPERATOR	WITH OPERATOR
CR EACH SUBTOTAL	CR SUBTOTAL ONLY
CR FIXED OPERATOR	
SELF-SERVICE	



Menu name	Specification
SALES MODE	Select the sales mode.

5.4 Password

5.4.1 Operate




Menu name	Specification
PASSWORD	Enter password in six digits. Logging in by this password will release the menu operation prohibited status.
MENU NAME	Display the menu name. Both USE and NO USE for SALES are grayed out because SALES cannot be locked with the password.
SELECT	Select whether or not to lock with the password. USE: Locked NO USE: Not locked

(All tabs have the same operations so their explanations are omitted here.)

5.5 Key lock

5.5.1 Display key

KEY LOCK (DISPLAY KEY) MAR.15.2023 (WED) 12:17 1/1

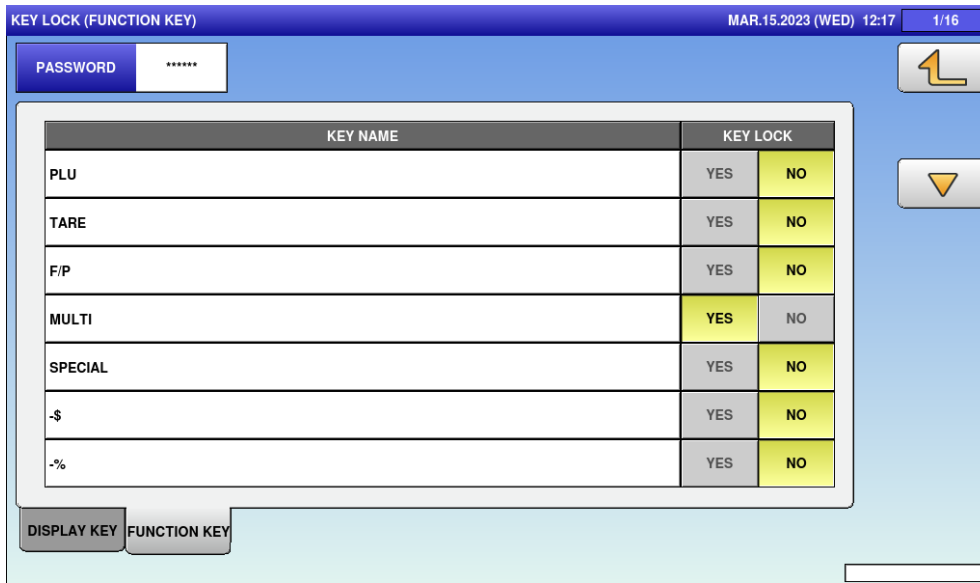
PASSWORD 

KEY NAME	KEY LOCK	
PLU NAME AREA	YES	NO
TARE	YES	NO
	YES	NO
PCS	YES	NO
WEIGHT	YES	NO
PRICE	YES	NO
	YES	NO

DISPLAY KEY

Menu name	Specification
PASSWORD	Enter the password in six digits. Normally in PRODUCTION screen, enter this password and press KEY LOCK FUNCTION to release the input prohibited status.
KEY NAME	Display measurement menu on normal mode screen. Not displayed WEIGHT/PRICE when [OCEANIA] is selected on COUNTRY menu. Enter 951753 and press PLU to enable this function.
KEY LOCK	Select whether or not to set a key lock. YES: key lock is set. NO: key lock is not set.

5.5.2 Function key



Menu name	Specification
PASSWORD	Enter the password in six digits. Normally in PRODUCTION screen, enter this password and press KEY LOCK FUNCTION to release the input prohibited status.
KEY NAME	Display the function key name. Not displayed WEIGHT/PRICE when [OCEANIA] is selected on COUNTRY menu. Enter 951753 and press PLU to enable this function.
KEY LOCK	Select whether or not to set a key lock. YES: key lock is set. NO: key lock is not set.

5.6 Data storage

5.6.1 Total ADD.

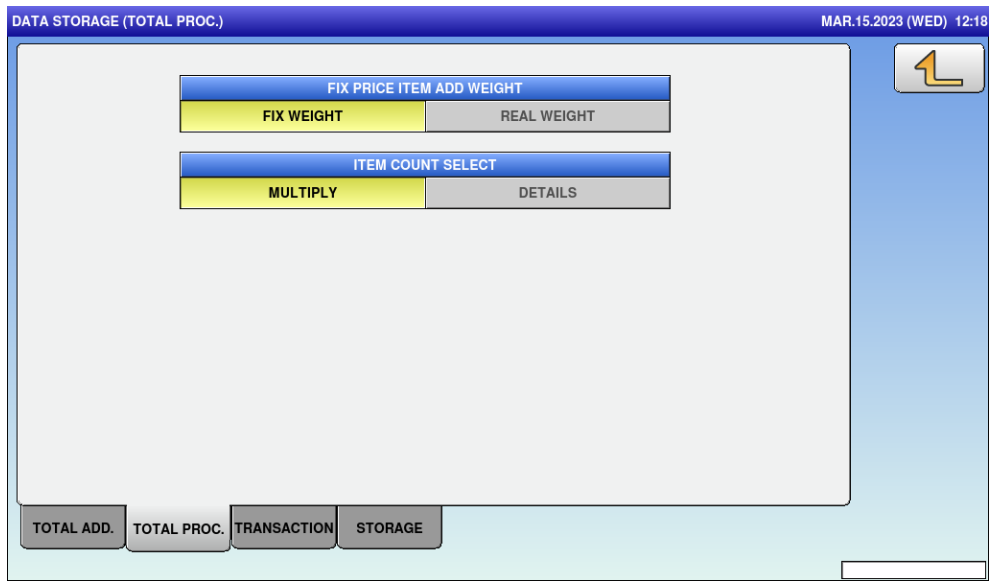
DATA STORAGE (TOTAL ADD.) MAR.15.2023 (WED) 12:17 1/2

MENU NAME	SELECT	
DAILY TOTAL	NON ADD	ADD
WEEKLY TOTAL	NON ADD	ADD
CUMULATIVE TOTAL	NON ADD	ADD
TIME TOTAL	NON ADD	ADD
OPERATOR TOTAL	NON ADD	ADD
ACC1 TOTAL	NON ADD	ADD
ACC2 TOTAL	NON ADD	ADD
ACC3 TOTAL	NON ADD	ADD

TOTAL ADD. TOTAL PROC. TRANSACTION STORAGE

Menu name	Specification
MENU NAME	Display menu name.
SELECT	Select whether or not to add. NON ADD / ADD
TOTAL PROC. / TRANSACTION / STORAGE tabs are displayed only when you access above menus after logging in with service password.	

5.6.2 Total PROC.



Menu name	Specification
FIX PRICE ITEM ADD WEIGHT	Select the addition weight of fixed-price items. FIX WEIGHT / REAL WEIGHT
ITEM COUNT SELECT	Select to count items. MULTIPLY / DETAILS

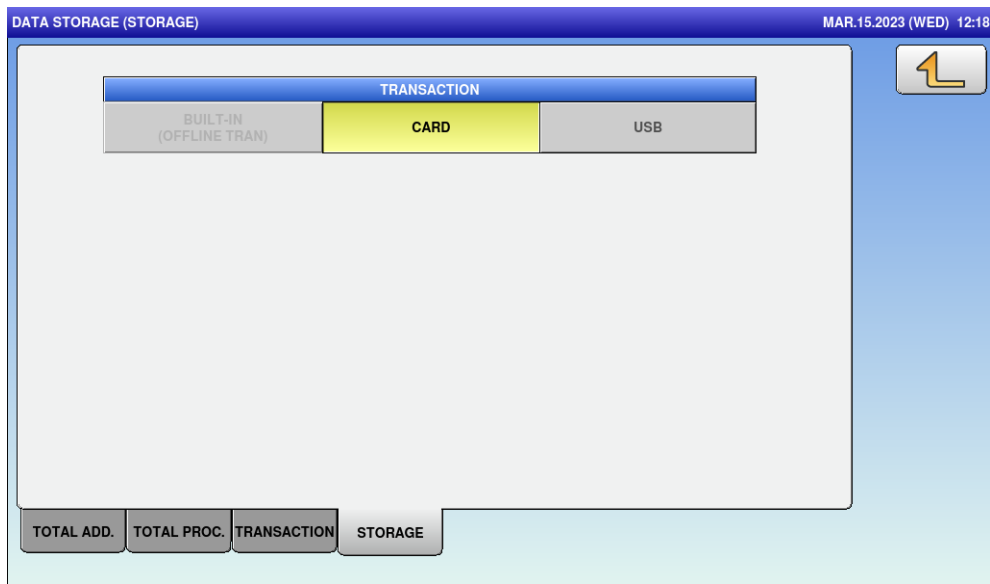
5.6.3 Transaction

DATA STORAGE (TRANSACTION) MAR.15.2023 (WED) 12:18

PROD. TRANSACTION <input type="radio"/> NON ADD <input type="radio"/> ADD		TRANS. MEM. FULL <input type="radio"/> STOP <input type="radio"/> OVER WRITE	
SALES TRANSACTION <input type="radio"/> NON ADD <input type="radio"/> ADD		POS REPORT <input type="radio"/> NON ADD <input type="radio"/> ADD	
SALES TRAN. STORAGE PERIOD <input type="text" value="0 DAYS"/>		DRAWER REPORT <input type="radio"/> NON ADD <input type="radio"/> ADD	

Menu name	Specification
PROD. TRANSACTION	Select whether or not to add the product transaction. NON ADD / ADD
TRANS. MEM. FULL	Select between stopping or overwriting the transaction addition at full memory condition. STOP / OVERWRITE
SALES TRANSACTION	Select whether or not to add the sales transaction. NON ADD / ADD
POS REPORT	Select whether or not to add the POS report. NON ADD / ADD
SALES TRAN. STORAGE PERIOD	Enter the sales transaction storage period. Input range: 0 to 99
DRAWER REPORT	Select whether or not to add the drawer report. NON ADD / ADD

5.6.4 Storage




Menu name	Specification
TRANSACTION	Select where to save the transaction. BUILT-IN / CARD / USB

5.7 Preset report

5.7.1 Daily

PASSWORD (OPERATE) MAR.15.2023 (WED) 12:18 1/1

PASSWORD 

MENU NAME	SELECT	
{1001} SALES	USE	NO USE
{1003} ACC1	USE	NO USE
{1004} ACC2	USE	NO USE
{1005} ACC3	USE	NO USE
{1002} TOTAL ADJUST	USE	NO USE
	USE	NO USE
	USE	NO USE

OPERATE TOTAL PROGRAM SETUP ADJUST

Menu name	Specification
TOTAL REPORT NAME	Display the report menu name.
SELECT	Select whether or not to print the report. NO PRINT / PRINT

(All tabs have the same operations so their explanations are omitted here.)

5.8 PLU overwrite

PLU MASTER LIST		SELECT	
UNIT PRICE:FIX PRICE	YES	NO	
MARKDOWN MODE:M/D AMOUNT	YES	NO	
UNIT TYPE:QTY	YES	NO	
FIXED WEIGHT	YES	NO	
PACK DATE/TIME	YES	NO	
SELL BY DATE/TIME	YES	NO	
TARE	YES	NO	
EXTRA MSG.1	YES	NO	
INGREDIENT	YES	NO	
EXTRA MSG.3	YES	NO	

Menu name	Specification
PLU MASTER LIST	Display the PLU master list.
SELECT	Select whether or not to overwrite the value. YES / NO

5.9 PLU initial data

5.9.1 Sale 1

PLU INITIAL DATA (SALE1) MAR.15.2023 (WED) 12:19

SALES MODE 1:FIX PRI	FIXED PRICE 0.00	OPEN PRICE 0:YES
FIXED WGT 0	TARE 0.000	TAX 0
MARKDOWN MODE 0:NORMAL	M/D AMOUNT 0.00	2nd TARE 0.000
UNIT TYPE 0:NO PRN	QTY 0	% TARE 0.0
LOWER WGT 0.000	UPPER WGT 0.000	FORCED TARE YES NO

SALE1 SALE2 MSG. IMAGE PRINT DATE CODE LINK

Menu name	Specification
(Each item)	Enter the initial value to newly create the PLU master.

(All tabs have the same operations so their explanations are omitted here.)

5.10 PLU update

Menu name	Specification
START No.	Enter the start number of the batch change range. Input range: 1 to 99999999
END No.	Enter the end number of the batch change range. Input range: 1 to 99999999
UNIT PRICE No.	Enter the unit price number for the batch change. Press button to change selection.
CONDITION	Select whether or not to specify the replacement condition for the batch change. NO / YES
LIST NAME	Display the item for the batch change. Press button to change selection.
REPLACE CONDITION	Specify the replacement condition. This function is enabled when [YES] is selected in [CONDITION].
CHANGE CONTENTS	Specify the replacement contents.
BATCH DELETE	Cancel all selections.
EXEC	Execute the batch change. ALL REUPDATE CHECK dialog appears to ask whether to execute the batch change.


5.11 Receipt setting


5.11.1 Title

RECEIPT SETTING (TITLE) MAR.15.2023 (WED) 12:19

HEADER TEXT: * PURCHASE RECEIPT *

FOOTER TEXT: Welcome again.

HEADER LOGO: 13 

FOOTER LOGO: 11 

TITLE BARCODE RECEIPT No.

Menu name	Specification
HEADER TEXT	Enter text of header. Press button to open editor screen.
FOOTER TEXT	Enter text of footer. Press button to open editor screen.
HEADER LOGO	Enter logo of header. Press button to open image list screen.
FOOTER LOGO	Enter logo of footer. Press button to open image list screen.

5.11.2 Barcode

Menu name	Specification
POS FLAG	Enter the POS flag. Input range: 00 to 99
POS CODE TYPE	Select the POS code type. 1: EAN / UPC13 / 2: EAN / UPC 8 / 3: 10 DIGITS 13 / 4: 5 DIGITS 8 / 5: GS1
RECEIPT CODE	Enter the receipt code. Input range: 0 to 99999999
GS1 EXP FORMAT	Select the GS1 EXP format. 1: (01)(3922)(3203) / 2: (01)(3922)(3203)(15)
POS MINUS FLAG	Enter the POS minus flag. Input range: 00 to 99
POS FORMAT	Select the POS format. Press button to open POS format list screen.

5.11.3 Receipt No.

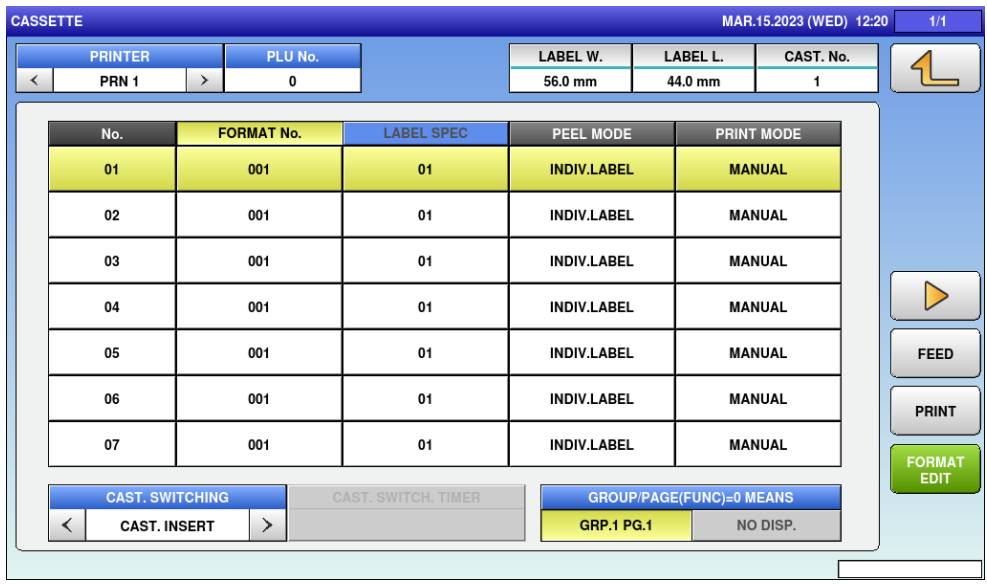
RECEIPT SETTING (RECEIPT No.) MAR.15.2023 (WED) 12:20

RECEIPT START No. 1	DAILY TOTAL AUTO CLEAR NO YES
RECEIPT END No. 999999	RECEIPT COUNT No. 1

TITLE BARCODE RECEIPT No.

Menu name	Specification
RECEIPT START No.	Enter the receipt starting number. Input range: 1 to 999999
DAILY TOTAL AUTO CLEAR	Enter the daily total auto clear setting. NO / YES
RECEIPT END No.	Enter the receipt ending number. Input range: 1 to 999999
RECEIPT COUNT No.	Enter the receipt counting number. Input range: 1 to 999999

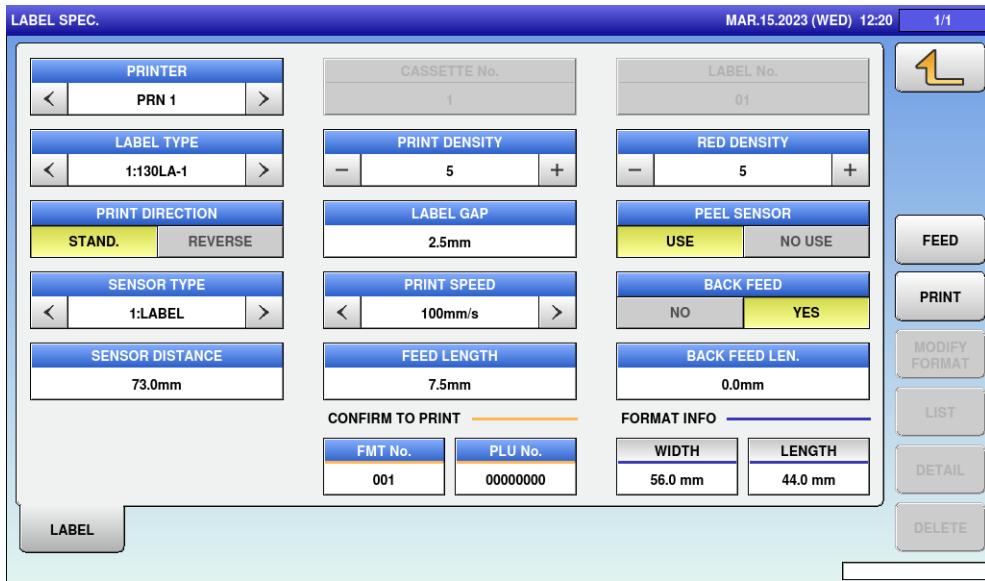
5.12 Cassete



Menu name	Specification
PRINTER	Display only PRN 1.
PLU No.	Enter the PLU number to use for test printing. Input range: 0 to 99999999 For 0, print the checker label.
LABEL W.	Display the format width of label.
LABEL L.	Display the format length of label.
CAST. No	Display the cassette number.
FORMAT No.	Press button to open the format entering screen.
LABEL SPEC.	Press button to open the label number entering screen.
PEEL MODE	Enter the peel mode.
PRINT MODE	Select the print mode. AUTO / MANUAL
LABEL TYPE	Select the label type. DIE-CUT / CONTINUOUS
STORE PRINT	Select whether or not to print the store. ENABLE / DISABLE
TITLE PRINT	Select whether or not to print the title. ENABLE / DISABLE
OVERFLOW FLG.	Select and set the process when the printing is over the set. ERR+BLANK / TO MAX

Menu name	Specification
2nd FMT No.	Enter the format to be used in the second label printing. Input range: 0 to 999
SUBTTL FMTno.	Enter the subtotal format number. Input range: 0 to 999
SALES MODE	Select the sales mode. NO OPE / WITH OPE / CR EACH / CR SUBONLY / CR FIXED / SELF
FMT No.(A)	Enter the format number. Input range: 0 to 999
PLU NAME	Select the PLU name. FIXED / VARIABLE
EXTRA MESSAGE 1to3	Select the extra message 1 to 3. FIXED / VARIABLE
FREE MSG.	Select the free message. FIXED / VARIABLE

5.13 Label spec



Menu name	Specification
LABEL TYPE	Select the label type. 0: RECEIPT / 1: 130LA-1 / 3: 150LA-1
PRINT DENSITY	Enter the print density control of black character. Input range: 0 to 9
RED DENSITY	Enter the print density control of red character. Input range: 0 to 9
SENSOR TYPE	Select the sensor type. 0: NO USE / 1: LABEL / 2: MARK
PRINT SPEED	Select the printing speed. 100mm/s / 120mm/s / 150mm/s

5.14 Label format

5.14.1 Detail (basic)

Menu name	Specification
FORMAT NAME	Press button to open the format name edit screen. Press "<" and ">" located at both sides of the box to select the next (or previous) format master.
UNIT No.	Display the unit number. Press button to open the unit list set for the current format. The UNIT tab also has the same function.
UNIT NAME(ID)	Display the selected unit name. If nothing is selected, [HEADER] is selected.
PRINTER	Select the printer number.
PLU No.	Enter the PLU number to be used for the test print and preview. Input range: 1 to 99999999 For 0, print the checker label.
LABEL No.	Specify the label number. Input range: 1 to 99
WIDTH	Enter the format width. Input range: 0 to 800
HEIGHT	Enter the format height. Input range: 0 to 2000
X-AXIS	Display the X axis of selected unit. The axis is moved by entering numerical number.

Menu name	Specification
Y-AXIS	Display the Y axis of selected unit. The axis is moved by entering numerical number.
FEED	Feed the label.
PRINT	Perform test printing by the format called and the item information set by PLU number.
UNIT ERASE	Delete the selected unit.
COPY	Enter numerical number and press COPY to copy the said numerical number's format.
DELETE	Delete the format master. The dialog appears to ask whether to delete the format master.
←↑→↓	Move the axis of selected unit. If HEADER is selected, the axis of whole format is moved.

5.14.2 Detail (unit)

The screenshot shows the 'LABEL FORMAT / DETAIL (UNIT)' screen. At the top, it displays '1' on the left, 'DEFAULT' in the center, and 'STRING EDIT' on the right. Below this is a 'UNIT No.' field with '0' and a 'UNIT NAME' field with 'HEADER'. To the right of these fields are buttons labeled 'A', 'B', 'C', 'D', 'E', and 'F'. The main area is a table with three columns: 'PLU', 'SET CONTENTS', and 'VALUE'. The table contains the following data:

PLU	SET CONTENTS	VALUE
FORMAT No.	Header: 1-99 not able to change	1
X-AXIS	Able to set 0-08000 by 0.1mm	560
Y-AXIS	Able to set 0-2000 by 0.1mm	440
UNIT No.	Able to set 1-63	30
TURN	00:STANDARD 02:REVERSE	00

At the bottom of the screen, there are three tabs: 'BASIC', 'UNIT' (which is selected), and 'PREVIEW'. On the right side, there are several buttons: 'FEED', 'PRINT', 'UNIT ERASE', 'UNIT COPY', and 'UNIT ADD'. The top right corner shows the date and time: 'MAR.15.2023 (WED) 12:20' and '1/1'.

Menu name	Specification
FORMAT NAME	Press button to open the format name edit screen. Press "<" and ">" located at both sides of the box to select the next (or previous) format master.
STRING EDIT	Open the format string edit screen. Up to 526 bytes
UNIT No.	Display the unit number. Press button to open the unit list set for the current format. UNIT tab also has the same function.
UNIT NAME	Display the selected unit name. If nothing is selected, "HEADER" is selected.
ABCDEF	Enter the alphabetical character. For hexadecimal entry.
PLU	Display the name of set item.
SET CONTENTS	Display the set contents.
VALUE	Enter the value for set contents.
FEED	Feed the label.
PRINT	Perform test printing by the format being called and the item information set by [PLU No.].
UNIT ERASE	Delete the selected unit.
UNIT COPY	Enter numerical number and press COPY to copy the said numerical number's format.
UNIT ADD	Add the unit. The header unit also increases by one at the same time.

5.14.3 Detail (preview)



Menu name	Specification
DETAILED IMAGE /WHOLE IMAGE	Select the whole image or detailed image.
FEED	Feed the label.
PRINT	Perform test printing by the format called and the item information set by PLU number.
←↑→↓	Move the image. This function is enabled only for the detailed image.

5.15 Barcode

5.15.1 POS flag

Menu name	Specification
EAN/UPC 13	Enter the NON-PLU 13 digits. Input range: 00 to 99
EAN/UPC 8	Enter the NON-PLU 8 digits. Input range: 0 to 9
10 DIGITS 13	Enter the PLU 13 digits. Input range: 00 to 99
5 DIGITS 8	Enter the PLU 8 digits. Input range: 00 to 99

5.15.2 POS code

Menu name	Specification
POS CODE TYPE	Select the POS code type. 1: EAN/UPC13 2: EAN/UPC 8/3:10 DIGITS 13/4:5DIGITS 8/5:GS1 6:GS1 ST/7:GS1 STO/8:GS1 LIMITED/9:GS1 EXPANDED/10: ITF
OCR	Select the POS code type. 1: EAN/UPC13 2: EAN/UPC 8/3:10 DIGITS 13/4:5DIGITS 8/5:GS1 6:GS1 ST/7:GS1 STO/8:GS1 LIMITED/9:GS1 EXPANDED/10: ITF
GS1 EXP FORMAT	Select the GS1 EXP format. 1:(01) (3922) (3203) / 2: (01) (3922) (3203) (15)
POS FORMAT(WGT)	Select the POS format (weight). Press button to open POS FORMAT list. Select the format from the list.
POS FORMAT (FIX PRICE)	Select the POS format (fix price). Press button to open POS FORMAT list. Select the format from the list.

5.15.3 Item code

BARCODE (ITEM CODE) MAR.15.2023 (WED) 12:21

DEPARTMENT No. DIGIT SET							
1	2	3	4	5	6	7	8

GROUP No. DIGIT SET							
1	2	3	4	5	6	7	8

EAN/UPC 13 DIGIT SET							
1	2	3	4	5	6	7	8

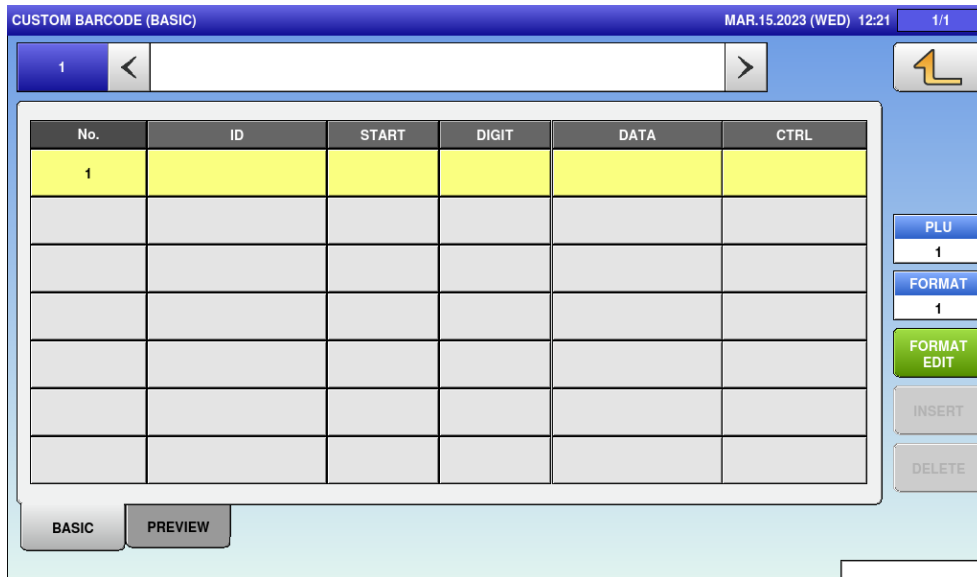
EAN/UPC 8 DIGIT SET							
1	2	3	4	5	6	7	8

POS FLAG	POS CODE	ITEM CODE
----------	----------	-----------

Menu name	Specification
DEPARTMENT No. DIGIT SET	<p>Execute the digit set of department number.</p> <p>Press numerical number to switch the selection.</p> <p>Press numerical number in series.</p> <p>(e.g. The combination of "1" and "3" cannot be selected. The combination of "1", "2" and "3" can be selected.)</p>
GROUP No. DIGIT SET	<p>Execute the digit set of group number.</p> <p>Press numerical number to switch the selection.</p> <p>Press numerical number in series.</p> <p>(e.g. The combination of "1" and "3" cannot be selected. The combination of "1", "2" and "3" can be selected.)</p>
EAN/UPC 13 DIGIT SET	<p>Execute the digit set of JAN code (13 digits).</p> <p>Press numerical number to switch the selection.</p> <p>Press numerical number in series.</p> <p>(e.g. The combination of "1" and "3" cannot be selected. The combination of "1", "2" and "3" can be selected.)</p>
EAN/UPC 8 DIGIT SET	<p>Execute the digit set of JAN code (8 digits).</p> <p>Press numerical number to switch the selection.</p> <p>Press numerical number in series.</p> <p>(e.g. The combination of "1" and "3" cannot be selected. The combination of "1", "2" and "3" can be selected.)</p>

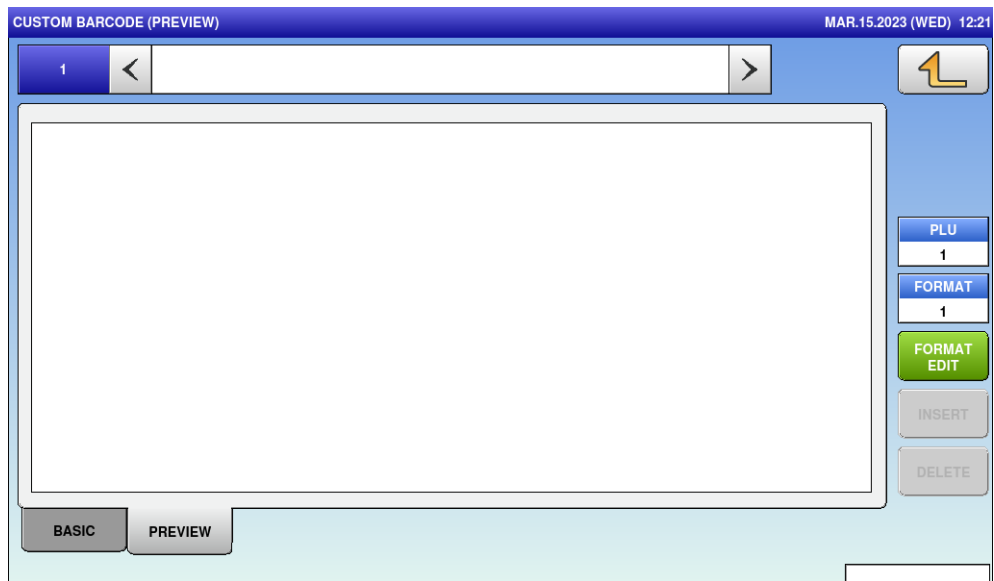
5.16 Custom barcode

5.16.1 Basic



Menu name	Specification
PLU	Enter the item number to be used for the preview. Input range: 1 to 99999999 Other tabs also have the same function.
FORMAT	Input range: 1 to 999 Other tabs also have the same function.
FORMAT EDIT	Open the format edit screen. Other tabs also have the same function.
INSERT	Insert the blank line in front of selected line.
DELETE	Delete the selected line.
No.	Press button to switch the selection.
ID	Enter the ID to be combined. Press button to open the CUSTOM BARCODE ID LIST. Select the ID from the list.
START	Enter the start digit. Input range: 1 to 999
DIGIT	Enter the digit number. 0: ALL or 1 to 999
DATA	Display the set ID data. Press button to open the edit screen only when the ID is set to PRE PRINT.
CTRL	Select the control character. 0: NONE 1: ()

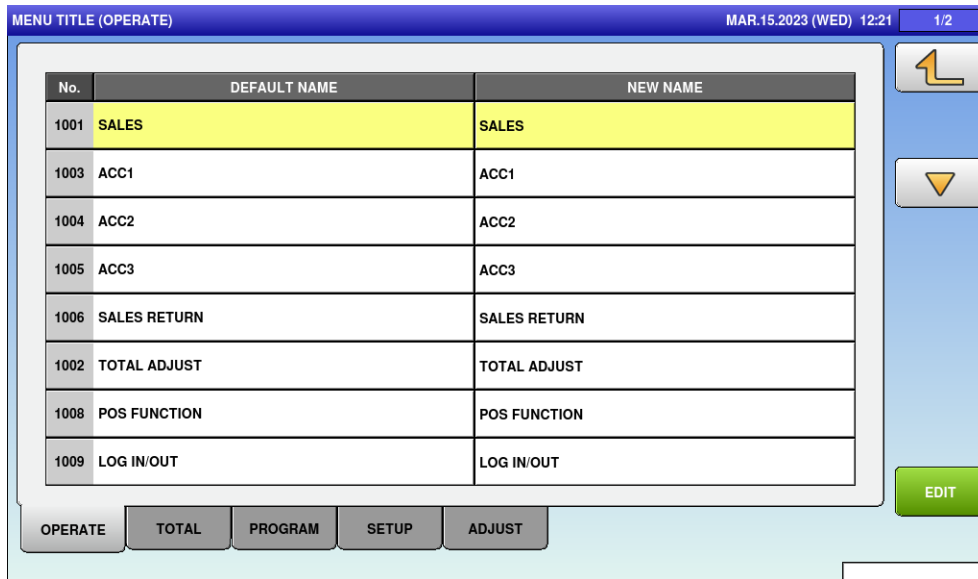
5.16.2 Preview



Menu name	Specification
	The combined-barcode preview is displayed only.

5.17 Menu title

5.17.1 Operate



Menu name	Specification
DEFAULT NAME	Display the menu name before editing. Press button to select the menu name.
NEW NAME	Display the menu name after editing. Press button to select the menu name.
EDIT	Transfer to the edit screen of the selected menu name.

(All tabs have the same operations so their explanations are omitted here.)

5.18 Operation setting

5.18.1 Call1

OPERATION SETTING (CALL1) MAR.15.2023 (WED) 12:21

FIND PLU				
START CHAR.	LINE1	LINE2	ALL	START LINE2
OPEN PLU		PROMO CONFIRMATION		FREEMASTER FOR URL
YES	NO	NO	YES	15
DISP FONT		DEPARTMENT		
NO LINKED	LINKED	NO	YES	

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

Menu name	Specification
FIND PLU	Select how to search PLU. START CHAR. / LINE1 / LINE2 / ALL / START LINE2
OPEN PLU	Select whether or not to open the PLU. YES / NO
PROMO CONFIRMATION	Select whether or not to confirm a sales promotion. NO / YES
FREEMASTER FOR URL	Enter the free master number to use in the URL. Input range: 0 to 15
DISP FONT	? NO LINKED / LINKED
DEPARTMENT	? NO / YES

5.18.2 Production

Menu name	Specification
WEIGHED ITEMS'WEIGHT RANGES CHECK	Select whether or not to check the weight of weighed items. NO / YES
TARE SELECT	Select the tare. 1st TARE / 2nd TARE
FIX PRICE AUTO PRN (WEIGHT)	Select whether or not to check and print the weight of fixed-price product. NO / YES
FIX PRICE ITEMS' WEIGHT RANGES CHECK	Select whether or not to check the weight of fixed-price product. NO / YES
AUTO PRINT DELAY(sec)	?
NUTRITION LABEL PRINT	? NO / YES
SUBTOTAL CLEAR	? PRINT / CALL
FIX UPR POP UP	? NO / YES
PAST DATE CHECK	? YES / NO

5.18.3 Timer

Menu name	Specification
REGISTRATION TIMER	Enter the registration timer. Input range: 0 to 9999 (seconds)
SUB-TOTAL TIMER	Enter the time to return to the previous screen while no operation in the subtotal mode. Input range: 0 to 9999 (seconds)
PRINTING TERM.TIMER	Enter the time to return to the previous screen while no operation after printing in the subtotal mode. Input range: 0 to 9999 (seconds)
CATEGORY TIMER	Enter the category timer. Input range: 0 to 9999 (seconds)
PRESET TIMER	Enter the preset timer. Input range: 0 to 9999 (seconds)
SEARCH TIMER	Enter the search timer. Input range: 0 to 9999 (seconds)

5.18.4 CR1

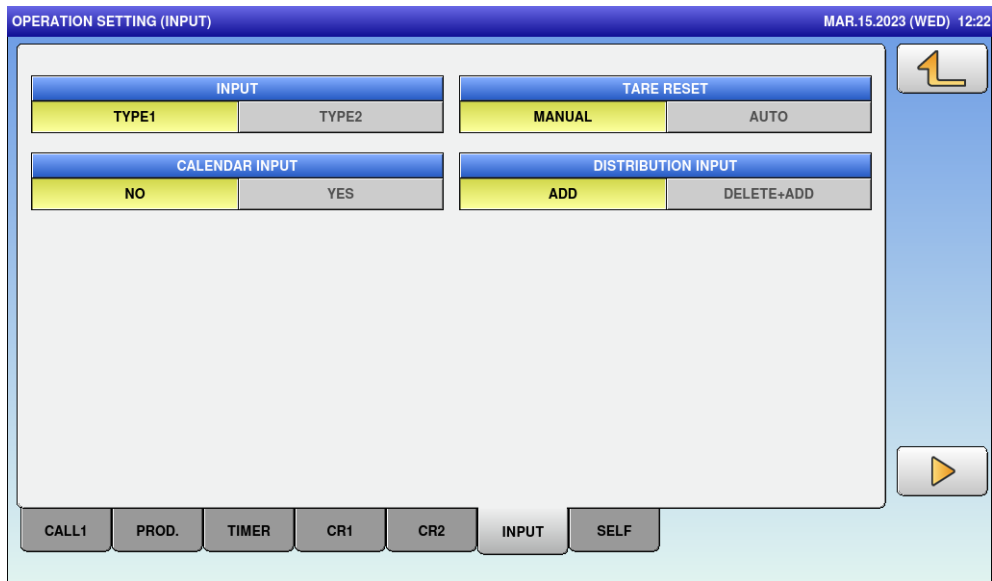
The screenshot displays the 'OPERATION SETTING (CR1)' interface. At the top, it shows the title 'OPERATION SETTING (CR1)' and the date/time 'MAR.15.2023 (WED) 12:22'. The main area contains five settings, each with a blue header and two selectable options:

- VAT PRINT:** NO (selected) / YES
- AUTO MODE OPERATION:** CONTINUE (selected) / EACH
- DRAWER OPEN:** PRN START (selected) / PRN END
- DRAWER 0 OPEN:** NO / YES (selected)
- REISSUE:** CALL UP TICKET (selected) / OPEN TICKET

At the bottom, a navigation bar includes buttons for CALL1, PROD., TIMER, CR1 (highlighted), CR2, INPUT, and SELF. A right-side panel contains a home icon and a play button.

Menu name	Specification
VAT PRINT	Select whether or not to print the vat printing. NO / YES
AUTO MODE OPERATION	Select the automatic operation mode. CONTINUE / EACH
DRAWER OPEN	Select the drawer operation to open. PRN START / PRN END
DRAWER 0 OPEN	Select whether or not to operate the drawer 0 open operation. NO / YES
REISSUE	Select the reissue operation. CALL UP TICKET / OPEN TICKET

5.18.6 Input



Menu name	Specification
INPUT	Select the type for input. TYPE1 / TYPE2
TARE RESET	Select mode of tare resetting. MANUAL / AUTO
CALENDAR INPUT	? NO / YES
DISTRIBUTION INPUT	? ADD / DELETE + ADD

5.18.7 Self

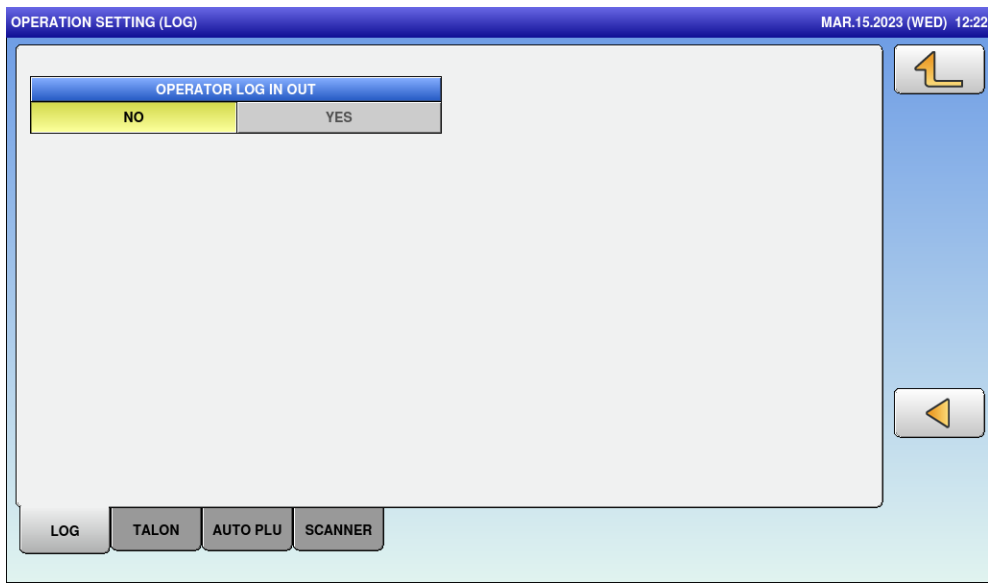
OPERATION SETTING (SELF) MAR.15.2023 (WED) 12:22

PRINT MODE <input checked="" type="radio"/> MANUAL <input type="radio"/> AUTO		SEARCH TYPE <input checked="" type="radio"/> PRESET <input type="radio"/> PLU	
AUTO PRINT TIMING(msec) 0		CALL PRINT <input type="radio"/> NO <input type="radio"/> YES	
PRESET SETTING			
GROUP NO. FOR WEIGHT ITEM 1		PAGE NO. FOR WEIGHT ITEM 1	
GROUP NO. FOR F/P ITEM 1		PAGE NO. FOR F/P ITEM 2	

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

Menu name	Specification
PRINT MODE	Select mode for printing. MANUAL / AUTO
SEARCH TYPE	Select the searching type. PRESET / PLU
AUTO PRINT TIMING (msec)	Enter the time to set the auto print timing. Input range: 0 to 5000

5.18.8 Log

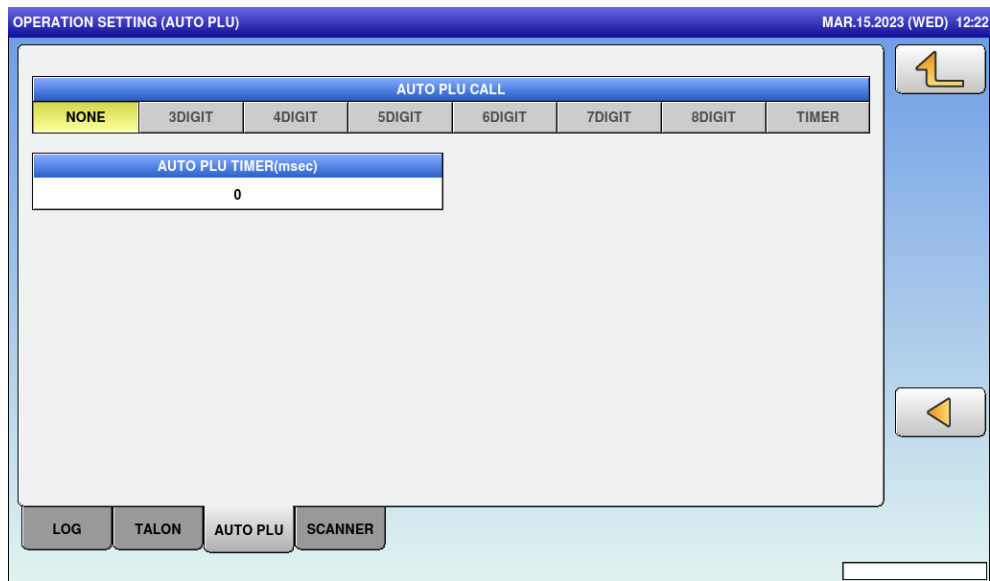


Menu name	Specification
OPERATOR LOG IN OUT	Select whether or not to be used to login for the operator. NO / YES

5.18.9 Talon

Menu name	Specification
TALON	Select the talon. DISABLE / ENABLE
TALON PRINT(msec)	Enter the time to set the talon printing. Input range: 0 to 3000
TALON ORDER	Select the talon. BEFORE / AFTER

5.18.10 Auto PLU



Menu name	Specification
AUTO PLU CALL	Select the type for input. TYPE1 / TYPE2
AUTO PLU TIMER (msec)	Select mode of tare resetting. MANUAL / AUTO

5.18.11 Scanner

OPERATION SETTING (SCANNER) MAR.15.2023 (WED) 12:22

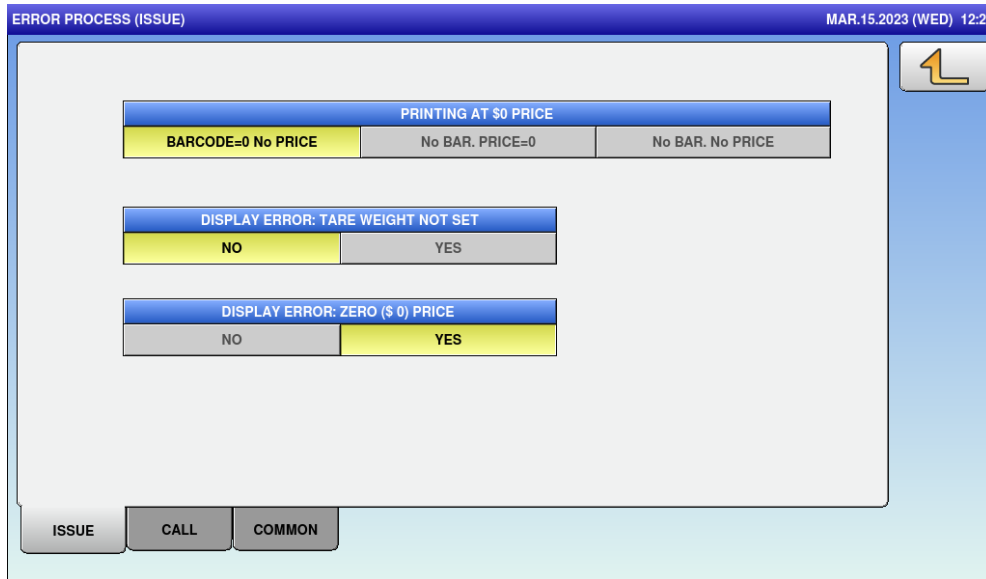
ITEM CODE DIGITS
4

LOG TALON AUTO PLU SCANNER

Menu name	Specification
ITEM CODE DIGITS	Enter digits of item code. Input range: 4 to 5

5.19 Error process

5.19.1 Issue



Menu name	Specification
PRINTING AT 0 PRICE	Select the action of printing at 0. BARCODE=0 No PRICE / No BAR.P RICE=0 / No BAR. No PRICE The currency unit depends on the country master.
DISPLAY ERROR: TARE WEIGHT NOT SET	Select whether or not to display the error message when the tare weight is not set. NO / YES
DISPLAY ERROR: ZERO PRICE	Select whether or not to display the error message of 0 price. NO / YES

5.19.2 Call

ERROR PROCESS (CALL) MAR.15.2023 (WED) 12:22

NO POS CODE SET ERROR

NO ERROR DISPLAY	NO LABEL PRINT	NO BAR PRINT
------------------	----------------	--------------

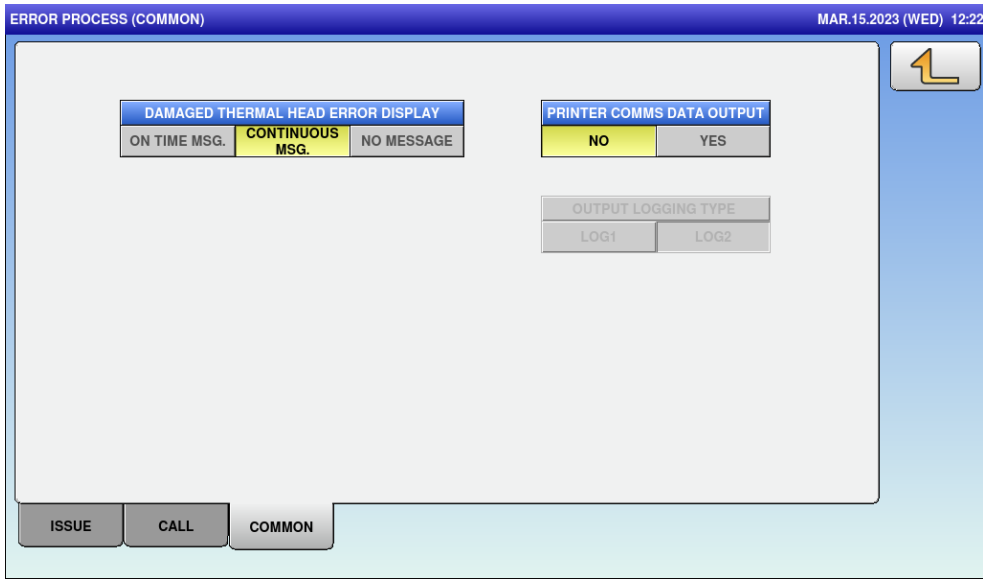
ERROR PROCESS

EXTRA MSG.1	INGREDIENT	EXTRA MSG.3
NO YES	NO YES	NO YES

ISSUE
CALL
COMMON

Menu name	Specification
NO POS CODE SET ERROR	Select the action when the POS code is not set. NO ERROR DISPLAY / NO LABEL PRINT / NO BAR PRINT
EXTRA MSG. 1	? NO / YES
INGREDIENT	? NO / YES
EXTRA MSG. 3	? NO / YES

5.19.3 Common



Menu name	Specification
DAMAGED THERMAL HEAD ERROR DISPLAY	Select how to set the error message of damaged thermal head. ON TIME MSG / CONTINUOUS MSG / NO MESSAGE
PRINTER COMMS DATA OUTPUT	? NO / YES
OUTPUT LOGGING TYPE	? LOG1 / LOG2

5.20 Error log

5.20.1 Display

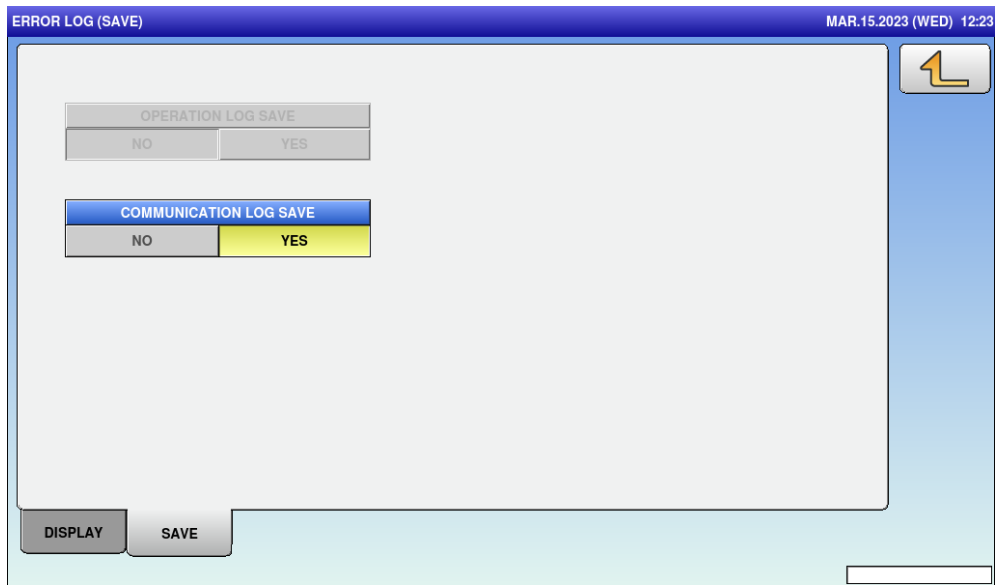
ERROR LOG (DISPLAY)					MAR.15.2023 (WED) 12:23		1/9
DATE/TIME	ERROR No.	PLU		ERROR DESCRIPTION			
03/15 11:52:57	0361-0000	0	0	POWER IS ON			
03/08 13:08:49	0361-0000	0	0	POWER IS ON			
02/28 16:59:58	9036-0003	0	0	OPERATION ERROR			
02/28 16:59:42	9036-0003	0	0	OPERATION ERROR			
02/28 16:41:19	9036-0003	0	0	OPERATION ERROR			
02/28 16:39:09	9036-0003	0	0	OPERATION ERROR			
02/28 16:38:59	9036-0003	0	0	OPERATION ERROR			
02/28 16:38:27	0361-0000	0	0	POWER IS ON			
02/28 16:35:08	9036-0003	0	0	OPERATION ERROR			
02/28 16:29:32	0396-0001	0	0	NO CARD MEMORY			

DISPLAY SAVE **DELETE**

LOG LEVEL
 ONLY ERR.

Menu name	Specification
LOG LEVEL	Select the error log level to be displayed on the list. ONLY ERR. / ERR. +OPE.
DELETE	Delete the error log. The DELETE CHECK dialog appears to ask whether to delete the error log.

5.20.2 SAVE



Menu name	Specification
OPERATION LOG SAVE	? NO / YES
COMMUNICATION LOG SAVE	? NO / YES

5.21 Tranceability

Menu name	Specification
TRACEABILITY TYPE	Select the traceability type. TYPE1 / TYPE2 (TYPE1 is simple traceability.)
TRACEABILITY TOTAL	Select whether or not to add the traceability total. NO / YES
TRACE. DATA DELETE	Select the manual or auto deletion of traceability data. MANUAL / AUTO
TRACEABILITY PASSWORD	Enter the traceability password. This function is enabled when [TYPE2] is selected in the TRACEABILITY TYPE. 0 or 4-digit number
TRACE RECEIPT PRINT	Select whether or not to print the trace receipt. NO PRINT / PRINT
LOOKUP TABLE EDIT	Select whether or not to enable the lookup table edit on the traceability screen in the normal mode. NO / YES

5.22 Dual currency

Menu name	Specification
EXCH. RATE	Enter the exchange rate of the second currency. Input range: 0 to 99999999
EXCH. RATE DEC. PNT. POS.	Enter the decimal point position of the exchange rate of the second currency. Input range: 0 to 7
PERIOD SELECTION	Select the currency combination. LOCAL+FOREIGN/FOREIGN+ LOCAL/LOCAL/FOREIGN
EXCH.RATE PRINT FLAG	Select whether or not to print the exchange rate flag. NO PRINT / PRINT
BARCODE PRICE SELECTION	Select the price selection of price. FOREIGN / LOCAL
LOCAL CURRENCY SYMBOL	Enter the local currency symbol. Up to 3 bytes
LOCAL CURR. DEC. PNT. POS.	Enter the decimal point position of the local currency. Input range: 0 to 7

5.23 Price rounding

PRICE ROUNDING MAR.15.2023 (WED) 12:23

TAX ROUNDING			DISCOUNT ROUNDING		
DOWN	4/5	UP	DOWN	4/5	UP
PRICE ROUNDING					
4/5					
SUB-TOTAL PRICE ROUNDING					
NON					

Menu name	Specification
TAX ROUNDING	Select the tax rounding type. 4/5 / 05 / UP
PRICE ROUNDING	Select the price rounding type. 4/5 / 05
DISCOUNT ROUNDING	Select the discount rounding type. DOWN / 4/5 / UP
SUB-TOTAL PRICE ROUNDING	Select the subtotal price rounding type. NON / 05

5.24 Frequent shopper

Menu name	Specification
BARCODE PRICE TYPE	Select the barcode price type. NORMAL / MARKDOWN
LOGO IMAGE 1 No.	Enter the logo image 1 number. Input range: 0 to 999
PRICE DISP	? NO / YES

5.25 Data distribution

5.25.1 Machine

MACHINE No.	IP ADDRESS

MACHINE DATA

DATA DIST


DELETE

Menu name	Specification
MACHINE No.	Enter the machine number. Input range: 0 to 99
IP ADDRESS	Enter the IP address. Input range: "0.0.0.0" to "255.255.255.255"
DELETE	Delete the selected line.

5.25.2 Data

DATA DISTRIBUTION (DATA) MAR.15.2023 (WED) 12:23 1/6


DATA NAME	SELECT	
PLU	YES	NO
CAMPAIGN	YES	NO
OPERATOR	YES	NO
PRESET KEY (LCD)	YES	NO
AD MSG.	YES	NO
STORE	YES	NO
DEPARTMENT	YES	NO
GROUP	YES	NO

MACHINE DATA

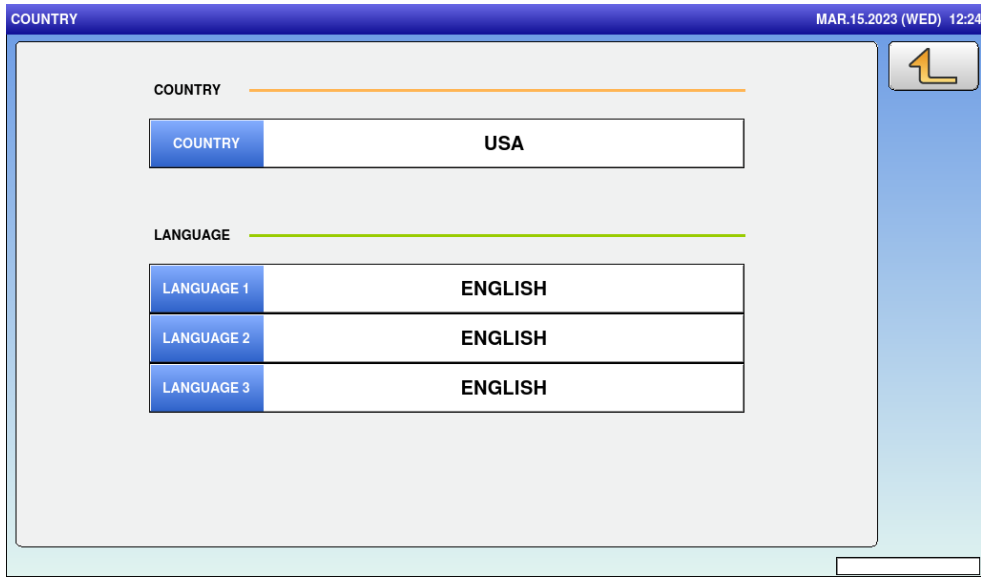
Menu name	Specification
DATA NAME	Display the data name.
SELECT	Select whether or not to distribute the master. YES / NO
ALL SELECT	Select all lines.

5.26 Tax

TAX					MAR.15.2023 (WED) 12:23	
TAX No.	TAX TYPE			TAX RATE		
0	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
1	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
2	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
3	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
4	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
5	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
6	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
7	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
8	EXCLUDED	INCLUDED	EXEMPT	5.00 %		
9	EXCLUDED	INCLUDED	EXEMPT	5.00 %		

Menu name	Specification
TAX TYPE	Select tax type. EXCLUDED / INCLUDED / EXEMPT
TAX RATE	Enter the tax rate. Input range: 0.00 to 99.99 (%)

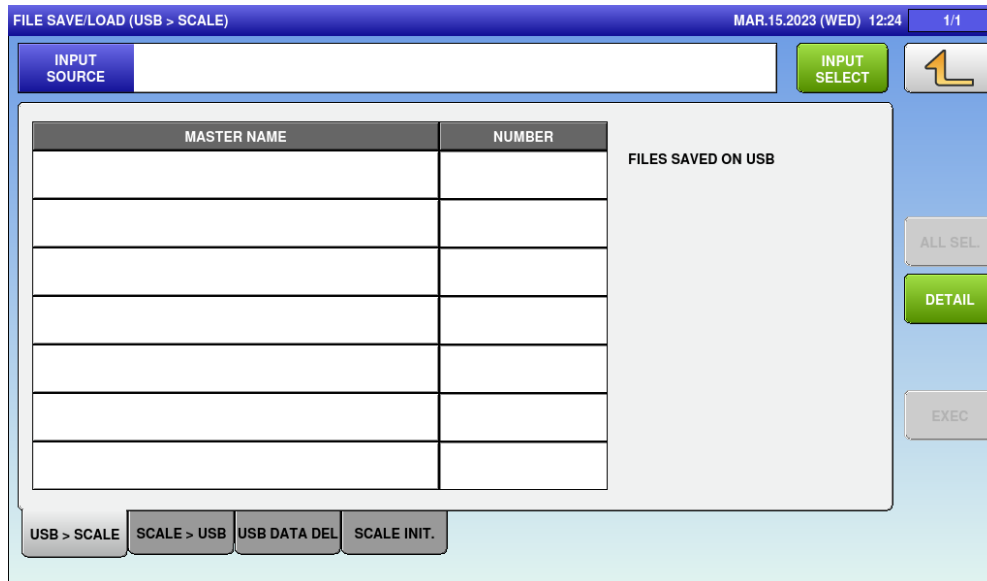
5.27 Country



Menu name	Specification
COUNTRY	Select the country. Enter 951753 and press PLU to enable this function. Press COUNTRY button to open the list and select the country.
LANGUAGE	Enter the first to third language. Press button to open the list and select the language.

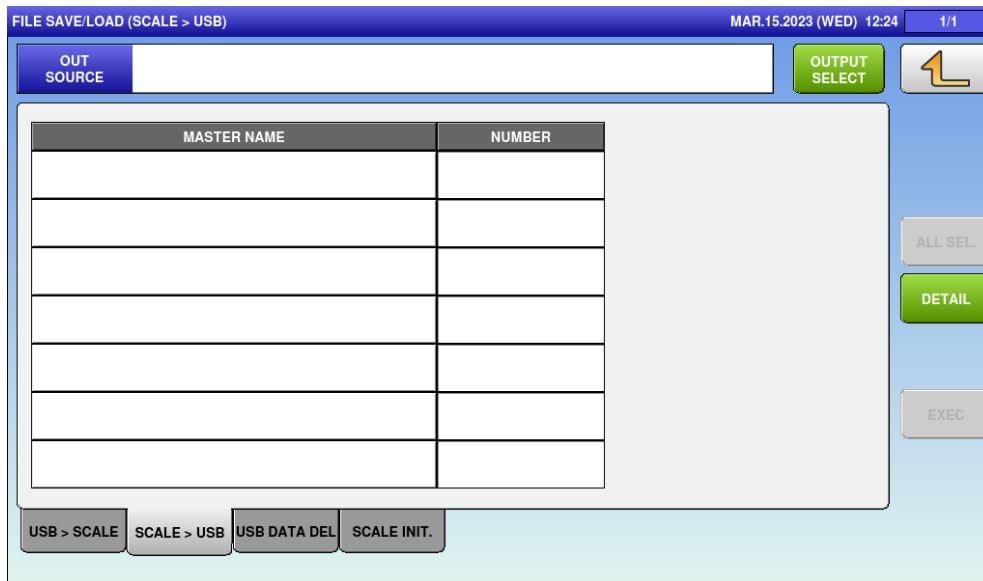
5.28 File save/Load

5.28.1 USB>Scale



Menu name	Specification
INPUT SOURCE	Display the name of the input source.
INPUT SELECT	Open the FILE SAVE/LOAD IN SELECT screen. The input source is listed only when the files are saved on the USB flash drive.
MASTER NAME	Display the master name. Press button to change the selection. Other tabs also have the same function.
NUMBER	Display the number of master data. Other tabs also have the same function.
ALL SEL.	Change the selections of all masters. This function is enabled when the input source file is set. Other tabs also have the same function.
DETAIL	Open the FILE SAVE/LOAD OUT (DETAIL) screen. Other tabs also have the same function.
EXEC	Execute the file input of selected master. The INPUT CHECK dialog appears to ask whether to input the file.

5.28.2 Scale>USB

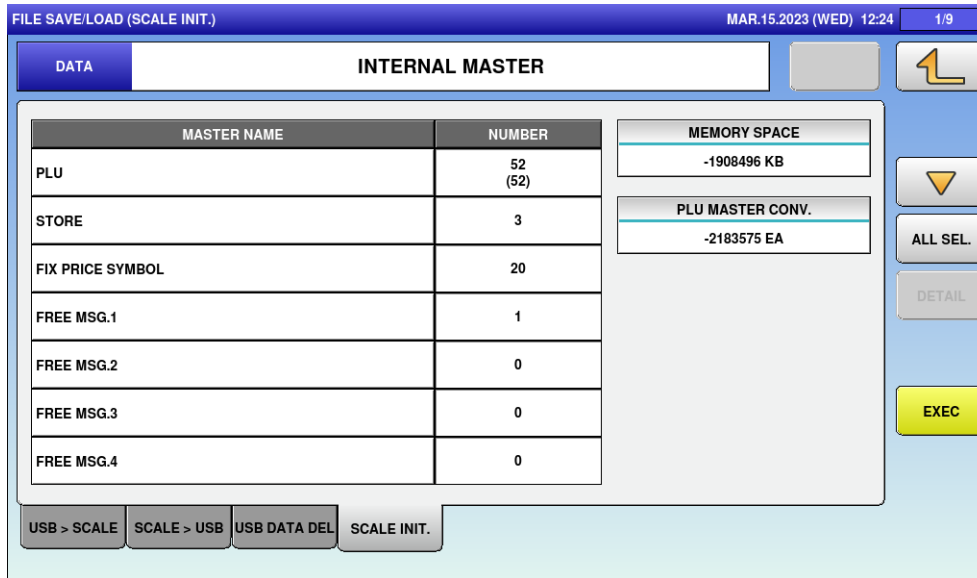


Menu name	Specification
OUT SOURCE	Display the name of the output source.
OUTPUT SELECT	Open the FILE SAVE/LOAD OUT SELECT screen. SET: Enter the output source. EDIT: Edit the name of the output source.
ALL SEL.	Switch between “All items selected” / “All items unselected”.
DETAIL	Move to the FILE SAVE/LOAD / DETAIL screen.
EXEC	Execute the file output of selected master. The OUTPUT CHECK dialog appears to ask whether to output the file.

5.28.3 USB data DEL.

Menu name	Specification
DELETE SELECT	Display the name of the deletion source.
MASTER NAME	Display the master name of the file in the folder of USB memory specified as "Deletion destination".
ALL SEL.	Switch between "All items selected" / "All items unselected".
EXEC	Execute the file output of selected master. The OUTPUT CHECK dialog appears to ask whether to output the file.

5.28.4 Scale INIT.



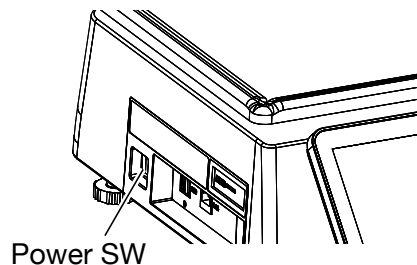
Menu name	Specification
DATA	Display the master name. Press button to change the selection.
MASTER NAME	Display the master name in the scale. Line selection/deselection is available.
NUMBER	Display the data Number of the master inside the scale.
MEMORY SPACE	Display the memory space inside the scale in kilobyte (kB).
PLU MASTER CONV.	Display the approximate value about how many items master can store in the free space.
ALL SEL.	Switch between "All items selected" / "All items unselected".
EXEC	Initialize the selected master. The INITIALIZATION CHECK dialog appears to ask whether to initialize the master.

Chapter 6 Adjust Mode

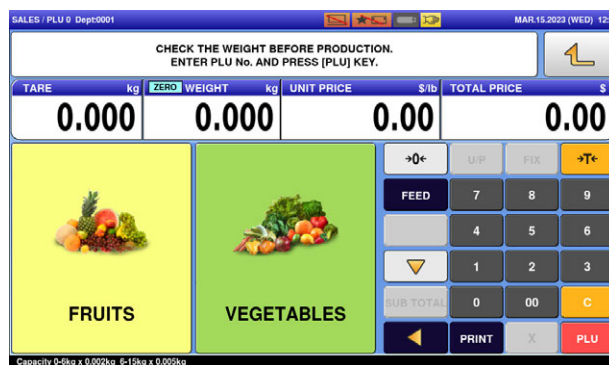
6.1 Adjust mode menu

6.1.1 Startup

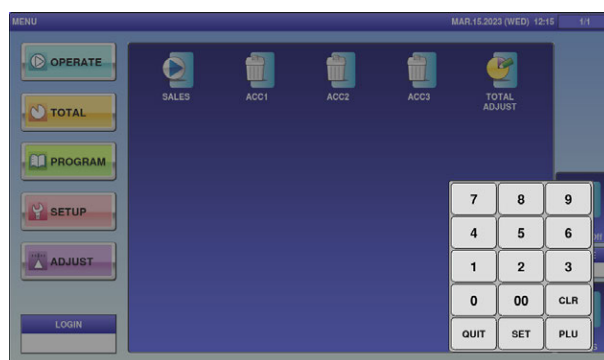
1. Turn on power.



2. Press  button at the upper right side of screen.

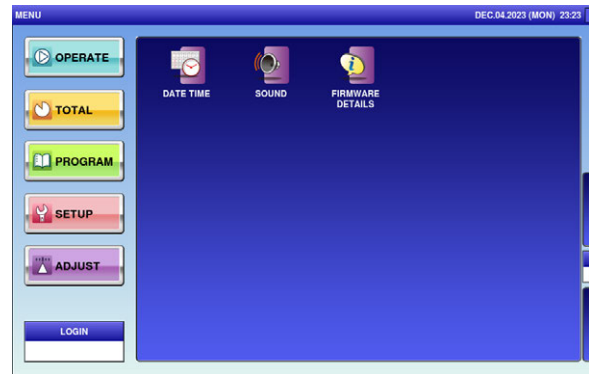


Press [SETUP] and [LOGIN] button, then input Password "495344" using numerical keys, and press [SET] button.

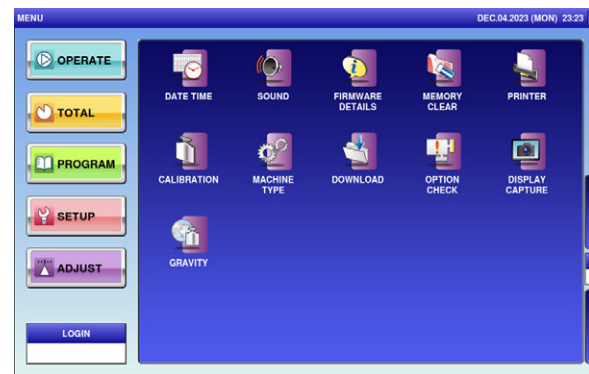


3. Press only [LOGIN] button to log out.

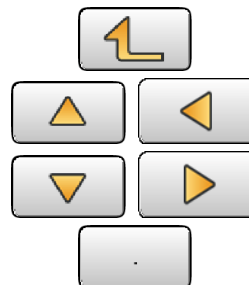
Before log in



Login screens



Common operating buttons



- Return to Menu.
- Return to previous page.
- Go to next page.
- Input [.]

6.2 Date time

DATE TIME MAR.15.2023 (WED) 12:26

LOCAL NTP SERVER: YES NO NTP SERVER ADDRESS: _____

DATE:

TIME:

KEYIN LEN/DATE FORMAT:
 1-2 : DD
 3-4 : MM-DD
 8 : MM-DD-YYYY

JULIAN DATE:

KEYIN LEN/TIME FORMAT:
 1-2 : SS
 3-4 : MM:SS
 5-6 : HH:MM:SS

TIME ZONE:

Menu name	Specification
DATE	Enter the date conforming to KEYIN LEN/DATE FORMAT. If "25072016" is entered, "JUL.25.2016" is displayed. If "25" is entered, " JUL.25.2016" is displayed. If "2507" is entered, " JUL.25.2016" is displayed.
TIME	Enter the time conforming to KEYIN LEN/TIME FORMAT. If "00" is entered, "13:11:00" is displayed. If "1100" is entered, "13:11:00" is displayed. If "131100" is entered, "13:11:00" is displayed.
JULIAN DATE	Display the number of days counted from January 1.
SET	Set the entered date and time. CHECKING CLOCK SETTING dialog appears to ask whether to change the date and time. When any change is made, save the setting (with confirmation message).

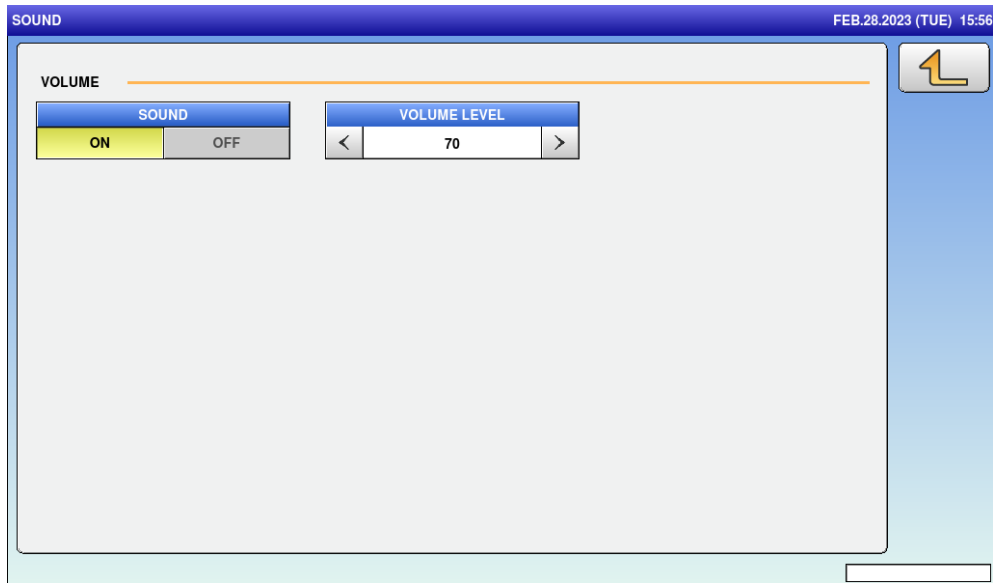
DATE TIME MAR.15.2023 (WED) 12:26

CHECKING CLOCK SETTING

IF YOU CHANGE TO PROGRAMED
 DATE AND TIME [MAR.15.2023/12:26:18],
 PRESS [EXEC].

1801 - 0000

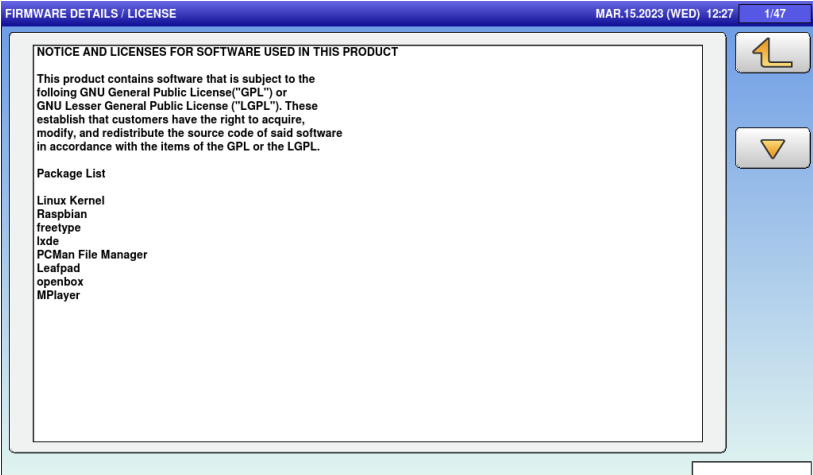
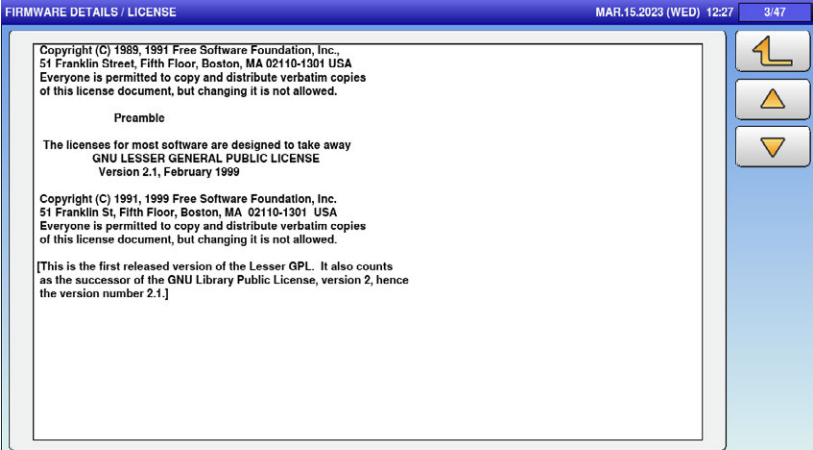
6.3 Sound



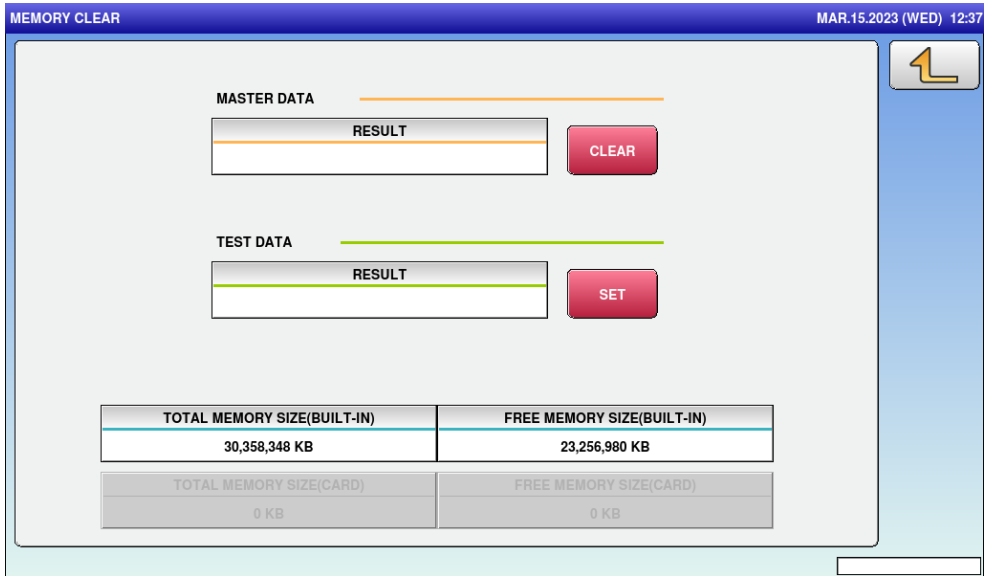
Menu name	Specification
SOUND	Select sound ON or OFF.
VOLUME LEVEL	Enter volume level. Input range: 0 to 100

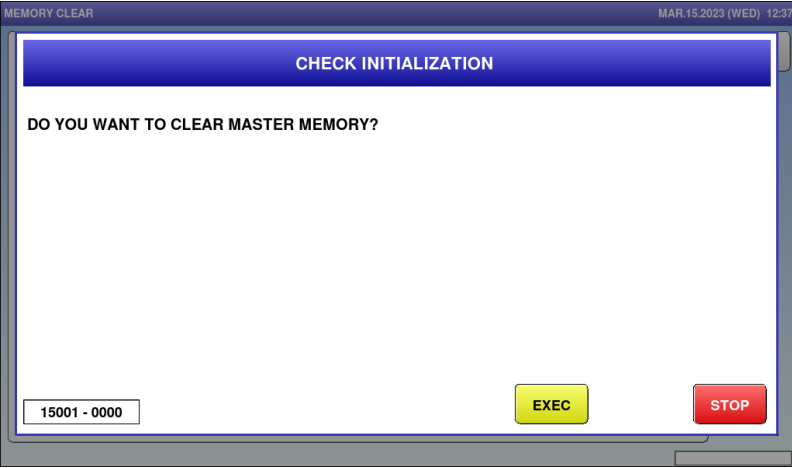
6.4 Firmware details

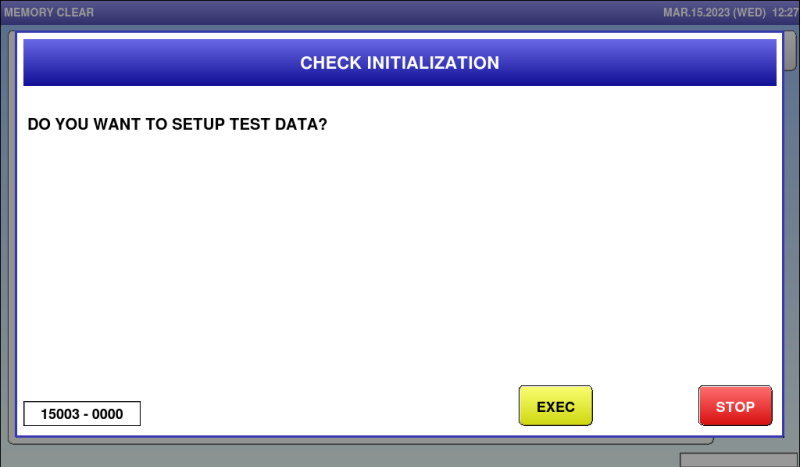
FIRMWARE DETAILS		MAR.15.2023 (WED) 12:27	
TITLE SOFTWARE	Z6201H	LICENSE	
SOFTWARE	VERSION	SOFTWARE	VERSION
MAIN	E6202		
SCALE DRIVER (UPDATER)	B0671(Exxxx)		
OS	Raspbian(10)		
BIOS			
FPGA APP.(BOOT)	D026(616E)		

Menu name	Specification
LICENSE	<p>Move to the FIRMWARE DETAILS / LICENSE screen.</p>  <p style="text-align: center;">↓</p> 

6.5 Memory clear

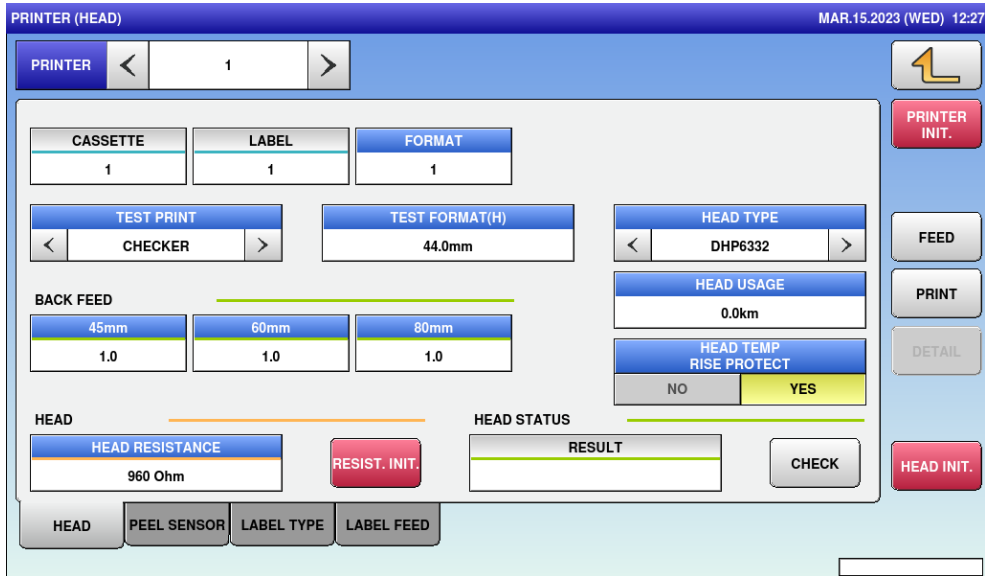


Menu name	Specification
<p>MASTER DATA CLEAR</p>	<p>Clear all DB and initialize the system master.</p> <p>The CHECK INITIALIZATION dialog (memory clear) appears to ask whether to clear the memory.</p> 
<p>TEST DATA SET</p>	<p>Set the initial data and initialize the system master.</p> <p>CHECK INITIALIZATION dialog (test data setting) appears to ask whether to set the test data.</p> <p>For Oceanian model, the password "951753" should be entered to set the test data.</p>

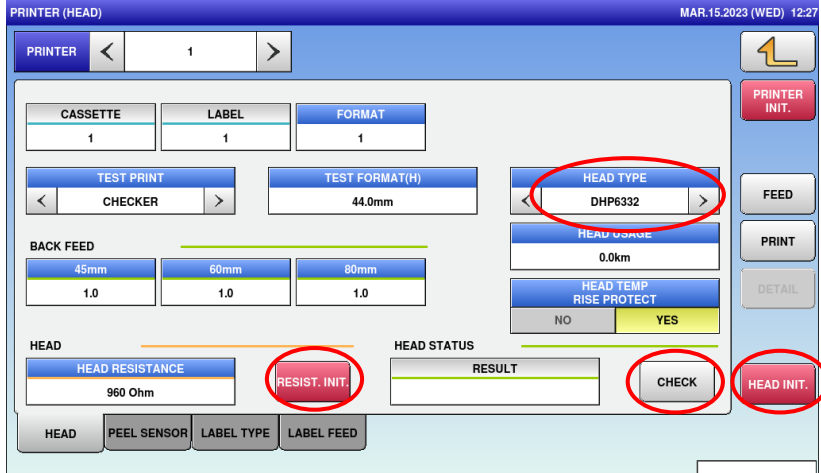
Menu name	Specification
	
TOTAL MEMORY SIZE (BUILT-IN)	Display the built-in memory size in kilobyte (kB).
FREE MEMORY SIZE (BUILT-IN)	Display the free memory size in kilobyte (kB).
TOTAL MEMORY SIZE (CARD)	Display the memory size in kilobyte (kB) when the SD card is inserted. If the SD card is not inserted, the option is grayed out.
FREE MEMORY SIZE (CARD)	Display the free memory size in kilobyte (kB) when the SD card is inserted. If the SD card is not inserted, the option is grayed out.

6.6 Printer

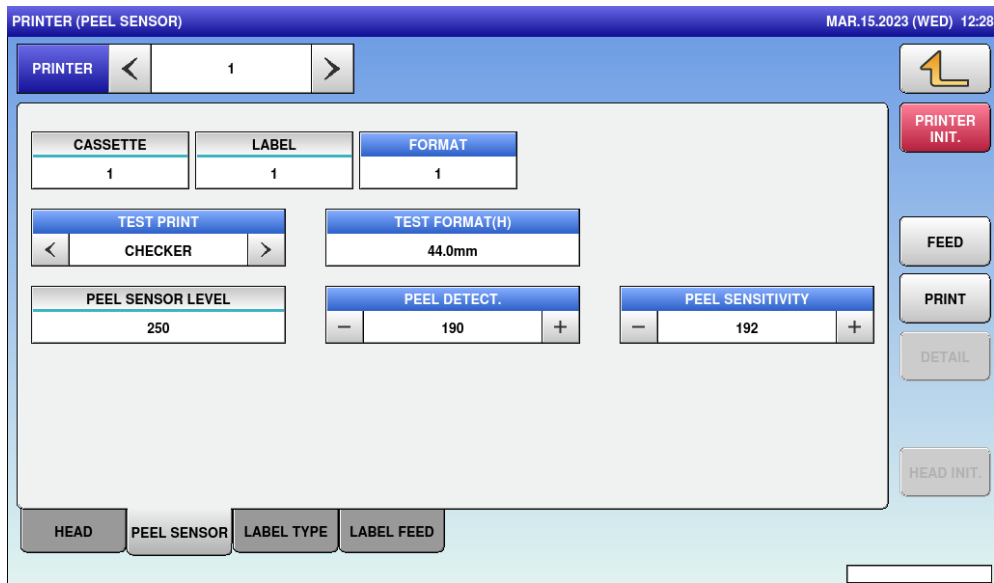
6.6.1 Head



Menu name	Specification
PRINTER	Display only 1.
FORMAT	Enter the format number for the test print. Input range: 0 to 999 If there is no format, nothing is printed.
TEST PRINT	Select CHECKER (checkered pattern) or NORMAL (normal pattern).
TEST FORMAT(H)	Enter the height of format directly. Input range: 0 to 999
BACK FEED ADJUSTMENT	Enter the back feed for each label length. Input range: 0 to 99
HEAD USAGE	Enter the head travel distance. Input range: 0 to 999
HEAD TEMP RISE PROTECT	Select whether or not to protect the head in case its temperature rises. NO / YES
HEAD RESISTANCE	Enter the head resistance. Input range: 0 to 9999
RESIST.INIT.	Initialize the head resistance.

Menu name	Specification
PRINTER INIT.	<p>Initialize the printer.</p> <p>CHECK INITIALIZATION dialog (print er initialization) appears to ask whether to initialize the printer.</p> <p>Other tabs also have the same function.</p>
PRINT	<p>Execute the print.</p> <p>Other tabs also have the same function.</p>
FEED	<p>Execute the feed.</p> <p>Other tabs also have the same function.</p>
HEAD INIT.	<p>Initialize the thermal head.</p> <p>CHECK INITIALIZATION dialog (head initialization) appears to ask whether to initialize the thermal head.</p> <p>Follow the procedure below.</p> <ol style="list-style-type: none"> ① Press [HEAD INIT.]. ② On the confirmation screen, press [EXEC]. ③ Check HEAD TYPE on the printer to enter the head type to be mounted. ④ Press [RESIST.INIT.] in HEAD RESISTANCE. ⑤ Press [CHECK] in HEAD STATUS CHECK to check the head availability. 

6.6.2 Peel sensor



Menu name	Specification
PEEL DETECT.	Enter the threshold value of peel sensor. Input range: 0 to 255
PEEL SENSITIVITY	Enter the sensitivity of peel sensor. Input range: 0 to 255
PEEL SENSOR LEVEL	Display the output value of peel sensor.
<p>Enter the threshold depending on PEEL SENSOR LEVEL at the time the backing paper remains on the sensor or not.</p> <p>(e.g. If the value at the time the backing paper remains is 180 and if the value at the time the backing paper does not remain is 80, the threshold is enter to about 150.)</p>	

6.6.3 Label type

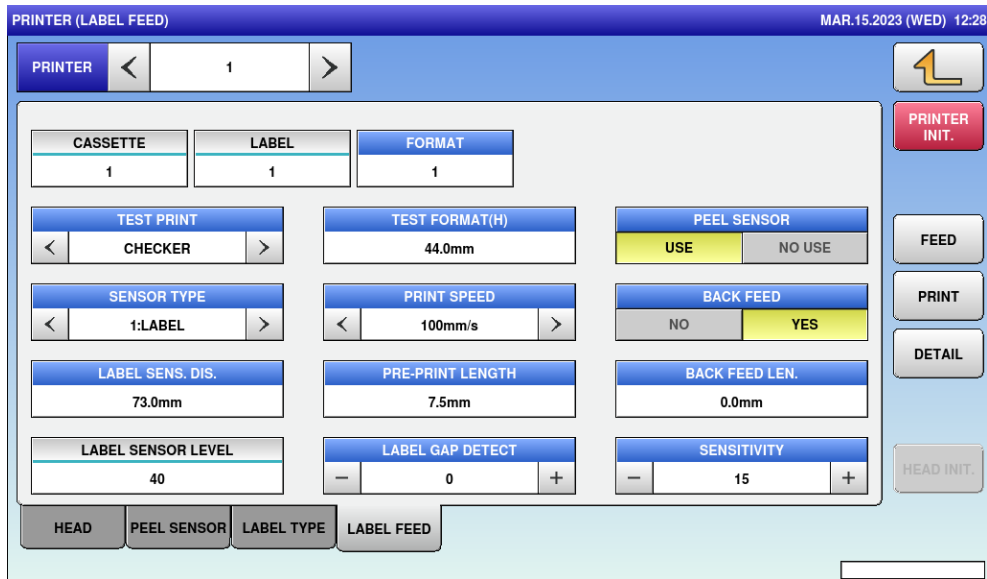
The screenshot shows the 'PRINTER (LABEL TYPE)' adjustment screen. At the top, it displays 'PRINTER (LABEL TYPE)' and the date/time 'MAR.15.2023 (WED) 12:28'. Below this is a navigation bar with 'PRINTER', a left arrow, a box containing '1', and a right arrow. The main area contains several settings:

- CASSETTE**: 1
- LABEL**: 1
- FORMAT**: 1
- TEST PRINT**: CHECKER
- TEST FORMAT(H)**: 44.0mm
- LABEL TYPE**: 1:130LA-1
- PRINT DENSITY**: 5
- PRINT DIRECTION**: STAND. (highlighted), INVERSE
- LABEL GAP**: 2.5mm
- LABEL SHAPE**: STANDARD (highlighted), ROUNDING
- ROUND LABEL**: 0.0mm

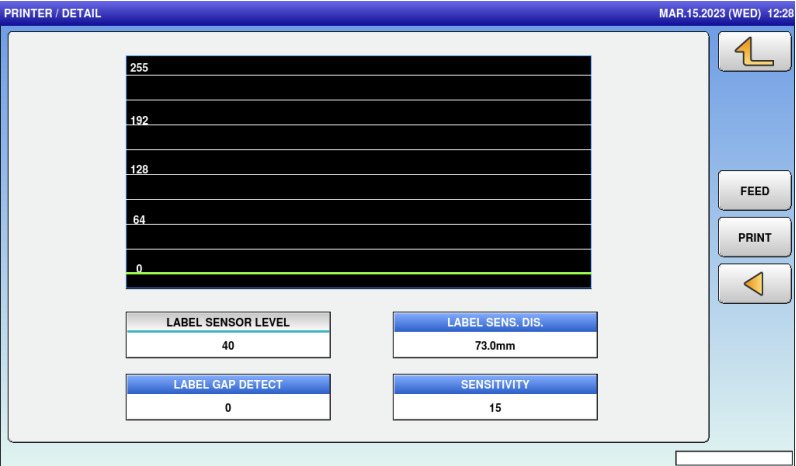
At the bottom, there are buttons for HEAD, PEEL SENSOR, LABEL TYPE, and LABEL FEED. On the right side, there are buttons for PRINTER INIT., FEED, PRINT, DETAIL, and HEAD INIT.

Menu name	Specification
LABEL TYPE	Select the label type. 0: RECEIPT / 1:130LA-1 / 3:150LA-1
PRINT DENSITY	Enter the print density. Input range: 0 to 9
PRINT DIRECTION	Select the print direction. STAND. / INVERSE
LABEL GAP	Enter "Interval between labels" of the label roll set to the printer. Input range: 0 to 99.9
LABEL SHAPE	Select the label shape. STANDARD / ROUNDING
ROUND LABEL	Enter the correction value of irregular-shaped label. Input range: 0 to 999

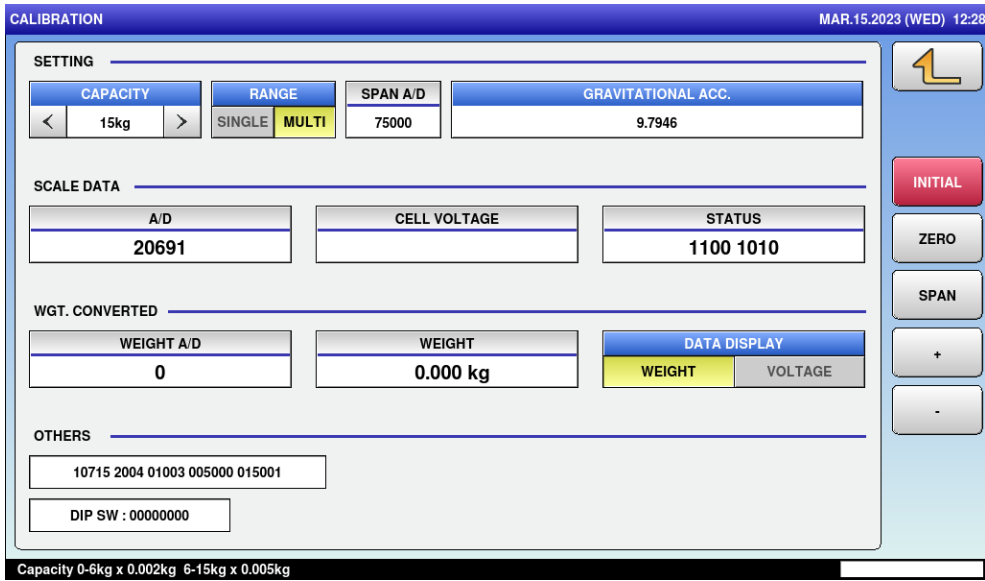
6.6.4 Label feed



Menu name	Specification
SENSOR TYPE	Select the sensor type. 0: NONE / 1: LABEL / 2: MARK
PRINT SPEED	Select the print speed. 100 mm/s / 120 mm/s / 150 mm/s
BACK FEED	Select whether or not to set the back feed. NO / YES
LABEL SENS. DIS.	Enter the label sensor distance. Input range: 0 to 99.9
PRE-PRINT LENGTH	Enter the pre-print length. Input range: 0 to 99.9
LABEL GAP DETECT.	Enter the label sensor threshold. Input range: 0 to 255
SENSITIVITY	Enter the label sensor sensitivity. Input range: 0 to 255
LABEL SENSOR LEVEL	Display the output value of label sensor.
DETAIL	Transfer to the label sensor details screen.

Menu name	Specification
	 <p>The screenshot shows the 'PRINTER / DETAIL' menu with a date and time display of 'MAR.15.2023 (WED) 12:28'. A graph displays a signal waveform with a peak at 255 and a baseline at 0. Below the graph, four settings are shown: LABEL SENSOR LEVEL (40), LABEL SENS. DIS. (73.0mm), LABEL GAP DETECT (0), and SENSITIVITY (15). Navigation buttons include FEED, PRINT, and a left arrow.</p>
	<p>Enter the label sensor sensitivity so as not to exceed the peak value of label sensor. (e.g. If the label sensor peak is about 120, the threshold is enter to about 100.)</p>

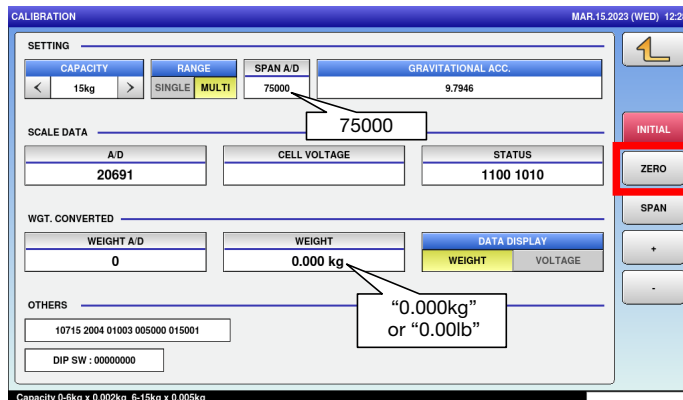
6.7 Calibration



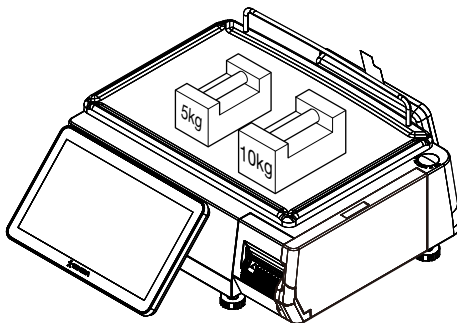
Menu name	Specification
CAPACITY	Select the capacity of the scale. 6000g / 6kg / 15kg / 30kg / 30lb
RANGE	Select the range. SINGLE / MULTI The range to be selected is limited depending on the capacity.
GRAVITATIONAL ACC.	Enter the gravitational acceleration. Input range: 97799 to 98300
DATA DISPLAY	Select the A/D or cell voltage display. WEIGHT / VOLTAGE
INITIAL	Initialize the scale.
ZERO	Enter the current scale status to zero.
SPAN	Enter the current scale status to CAPACITY according to CAPACITY setting.
+	Add span value.
-	Deduct span value.

6.7.1 Procedure for adjusting scale (span)

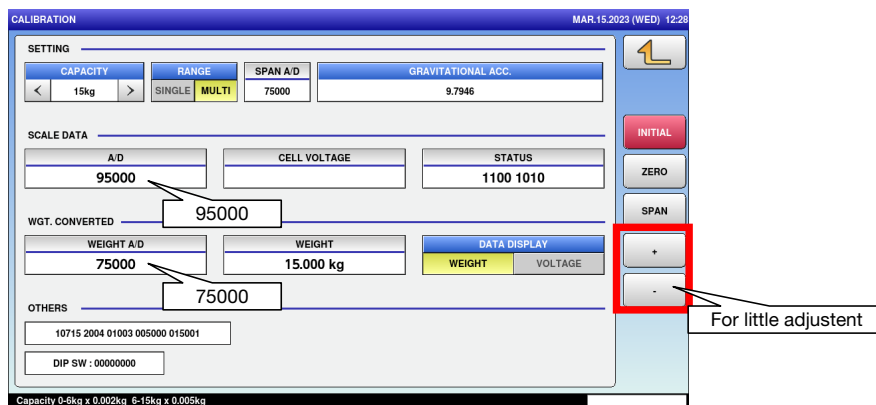
1. Press the "ZERO" key to adjust the zero point.
Then the "WEIGHT" display field shows "0.000kg" or "0.00lb".
Check that the "A/D" display field shows "20000" and the "SPAN A/D" field shows "75000".



2. Place the weights of the same weight as the upper limit of the weighing capacity on the scale

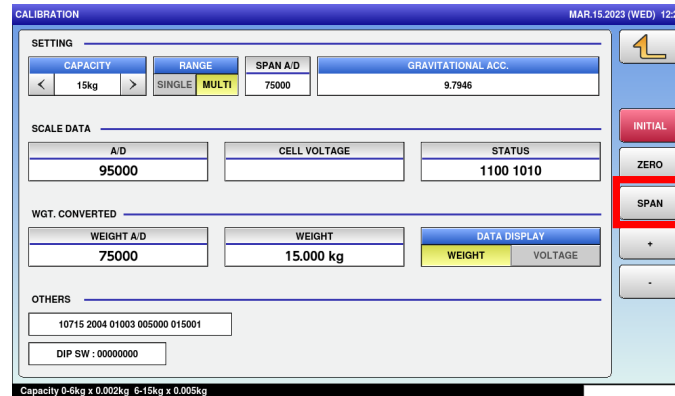


3. Check that the "A/D" display field shows "95000" and the "WEIGHT A/D" field shows "75000".
"+" and "-" key for little adjustment, if necessary.

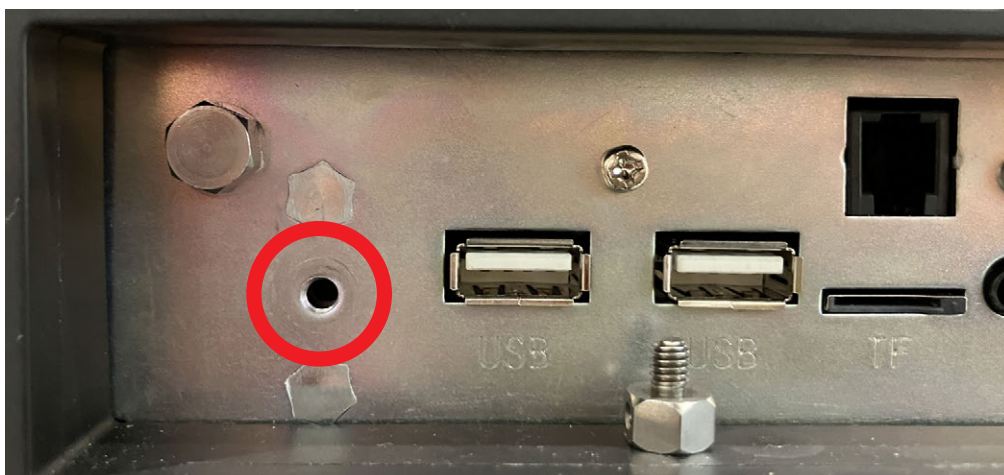


For 30 kg / 30 lb / 60 lb, "A/D" display field shows "80000" and the "WEIGHT A/D" field shows "60000".

4. Press the "SPAN" key.
Then remove the weights from scale.



5. Push the Memory switch on "PWB: PS-063" to memorize the A/D data.



6. Seal off the Memory switch again.

6.8 Machine type



Menu name	Specification
Select type.	

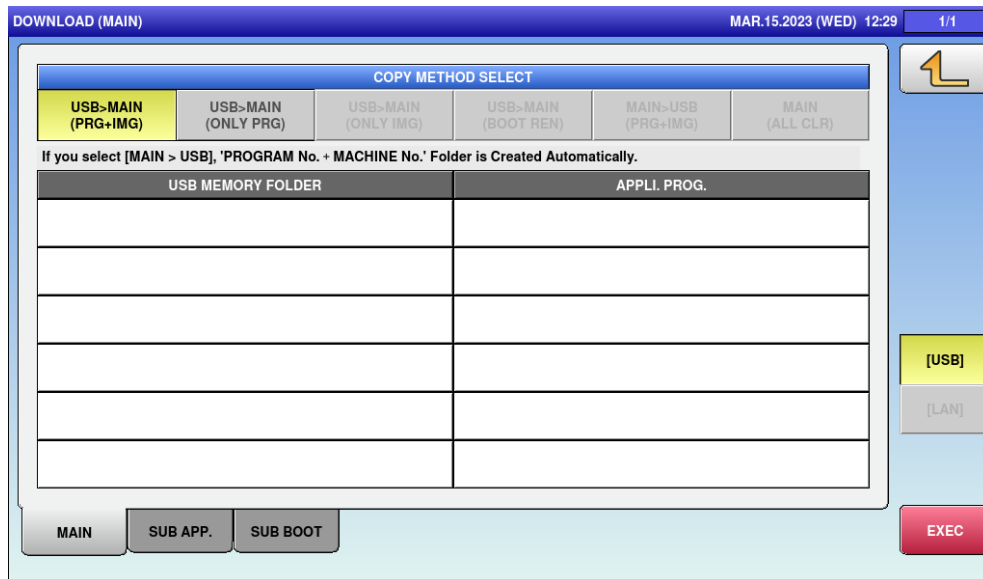
6.8.1 Detail

The screenshot shows the 'MACHINE TYPE / DETAIL' adjustment screen. At the top, it displays 'STRUCTURE POLE (SHORT POLE)TYPE' and 'PRODUCT ID 0000000'. The screen is divided into sections: 'MAIN' and 'PRINTER'. Under 'MAIN', there are settings for 'KEY CONNECT' (0:NONE), 'SCALE CONNECT' (1:WIRED), 'TRAY DETECTION' (NO, YES), 'CUSTOMER DISP' (0:NO IMG), 'CUSTOMER DISP COLOR' (0:WHITE), and 'SCREEN SAVER DISP' (1:CUSTOMER). Under 'PRINTER', there are settings for 'PRINTER 1 CONNECTION' (OK), 'OUTSIDE PRINTER' (NO, YES), 'PRINT DOT RATIO' (1:1, 1:1.1), 'PRINTER 2 CONNECTION', 'PP PRODUCT ID', and 'PRINTER 1 POS. SEL.' (LEFT, RIGHT). A 'SET' button is located at the bottom right.

Menu name	Specification
PRODUCT ID	Enter the product ID in seven digits. Input range: 0 to 9999999
KEY CONNECT	Select whether to connect the numeric keys. 0: NONE / 1: 3x6 / 2: 6x4
SCALE CONNECT	Select whether to connect the scale. 0: NONE / 1: WIRED / 2: WIRELESS
TRAY DETECTION	Select whether to use the tray detection function. NO / YES
CUSTOMER DISP	Select whether to connect the customer display. 0: NO IMG / 1: IMG
SCREEN SAVER DISP	Select display to indicate the screen saver. 0: SHOP / 1: CUSTOMER
PRINT DOT RATIO	Select printing dot ratio. 1:1 / 1:1.1
SET	Save the setting (with confirmation message).
STRUCURE	Display the configuration selected by the previous screen [MACHINE TYPE].
STATUS	Display the communication status with the wrapper.
PRINTER 1 CONNECTION	Display the communication status with Printer No.1.

6.9 Download

6.9.1 Main



Menu name	Specification
COPY METHOD SELECT	When “USB>MAIN (PRG+IMG)” is selected, the program and the image data of the selected USB memory folder are downloaded. When “USB>MAIN (ONLY PRG)” is selected, only the program of the selected USB memory folder is downloaded. The image data is not downloaded.
USB MEMORY FOLDER	Press button to switch the selection.
APPLI. PROG.	Press button to switch the selection.
EXEC	Download the selected program. The CHECK EXECUTION OF MAIN PROGRAM DOWNLOAD dialog appears to ask whether to download the program.

Note:

● Precautions on software write after board replacement

Until all software completes write operations, the following phenomenon may occur. This occurs because of the incompatibility between software in the flash memory of the board and the main application software in CF (compact flash).

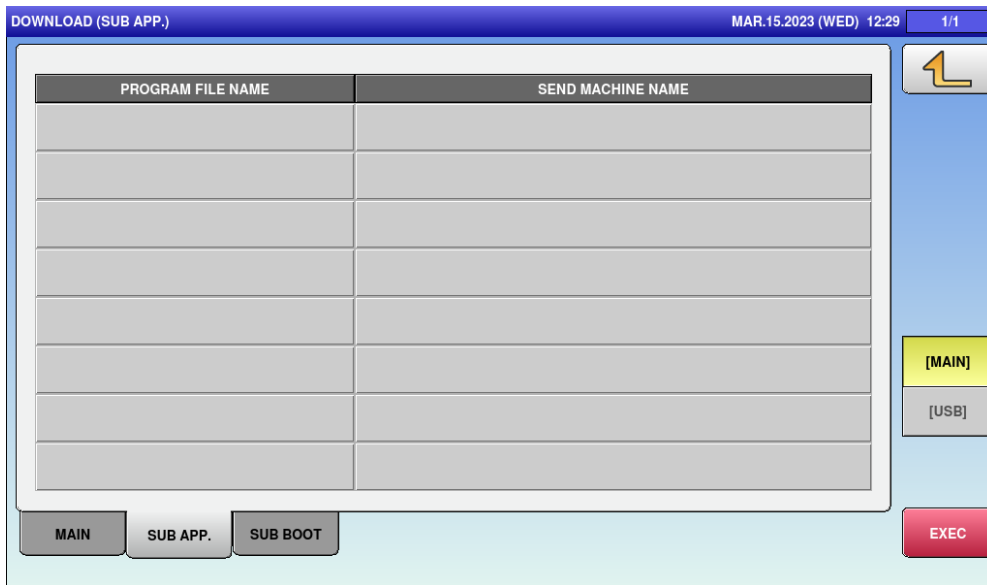
<LED remains ON after shutdown>

The power switch of the applicable models is tuned OFF after software write. LED on the P-1100 board, however, may remain ON even upon OS shut down and the screen becomes black. In this case, turn OFF the breaker or pull out the power supply plug, and make sure that LED is turned OFF. After 20 to 30 seconds, turn ON the breaker or insert the power supply plug, and turn ON the power switch.

<Error display>

Errors such as a battery error or communication error may be displayed on the screen before software starts the write operation after starting the main applications software. In this case, continue the software write operation. If the error display persists even after all software completes write operations, memory initialization, and basic settings such as model setting, take measures to each error.

6.9.2 Sub APP.



Menu name	Specification
PROGRAM FILE NAME	Press button to switch the selections.
SEND MACHINE NAME	Press button to switch the selections.
MAIN/USB	Select where the program is downloaded from. MAIN / USB
EXEC	Download the selected program. The CHECK FOR EXECUTION OF DEVICE MACHINE PROGRAM dialog appears to ask whether to download the program.

Note:

● **Precautions on software write after board replacement**

Until all software completes write operations, the following phenomenon may occur. This occurs because of the incompatibility between software in the flash memory of the board and the main application software in CF (compact flash).

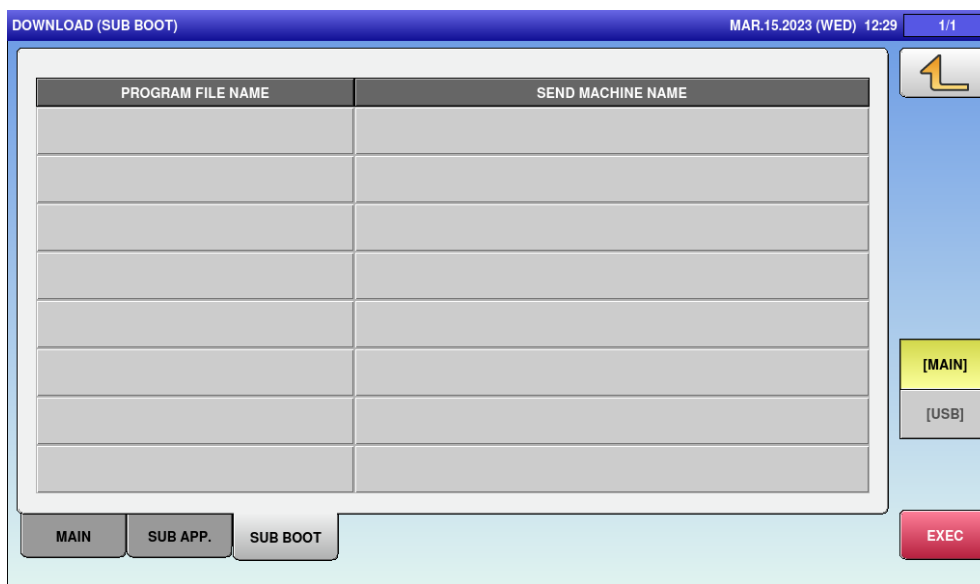
<LED remains ON after shutdown>

The power switch of the applicable models is turned OFF after software write. LED on the P-1100 board, however, may remain ON even upon OS shut down and the screen becomes black. In this case, turn OFF the breaker or pull out the power supply plug, and make sure that LED is turned OFF. After 20 to 30 seconds, turn ON the breaker or insert the power supply plug, and turn ON the power switch.

<Error display>

Errors such as a battery error or communication error may be displayed on the screen before software starts the write operation after starting the main application software. In this case, continue the software write operation. If the error display persists even after all software completes write operations, memory initialization, and basic settings such as model setting, take measures to each error.

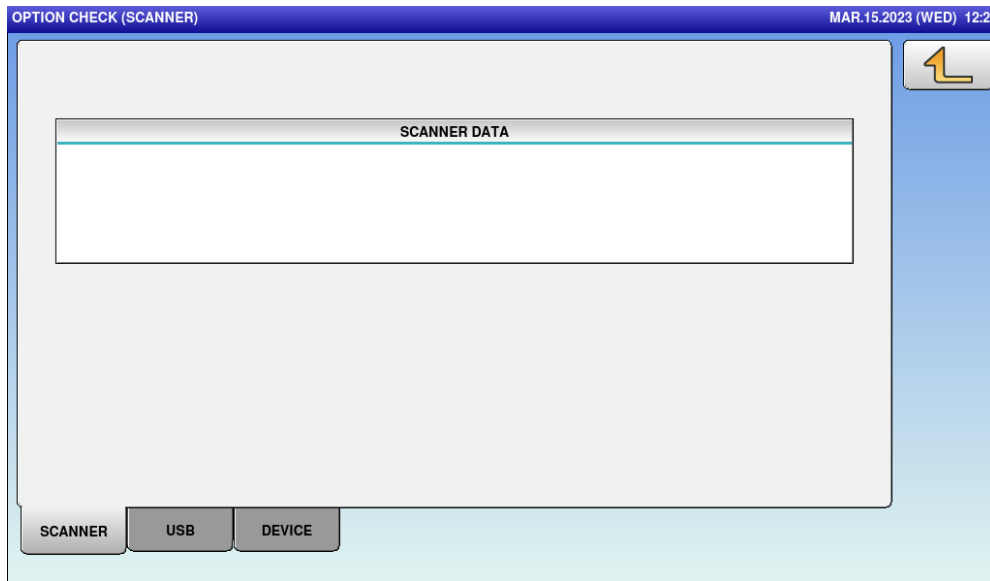
6.9.3 Sub boot



Menu name	Specification
PROGRAM FILE NAME	Press button to switch the selections.
SEND MACHINE NAME	Press button to switch the selections.
MAIN/USB	Select where the program is downloaded from. MAIN / USB
EXEC	Download the selected program. The CHECK FOR EXECUTION OF DEVICE MACHINE PROGRAM dialog appears to ask whether to download the program.

6.10 Option check

6.10.1 Scanner



Menu name	Specification
SCANNER DATA	Display the scanned data.

6.10.2 USB

OPTION CHECK (USB) MAR.15.2023 (WED) 12:29

USB MEMORY - 1

TOTAL MEMORY SIZE	FREE MEMORY SIZE
7,554,368 KB	7,552,512 KB

USB MEMORY - 2

TOTAL MEMORY SIZE	FREE MEMORY SIZE
0 KB	0 KB

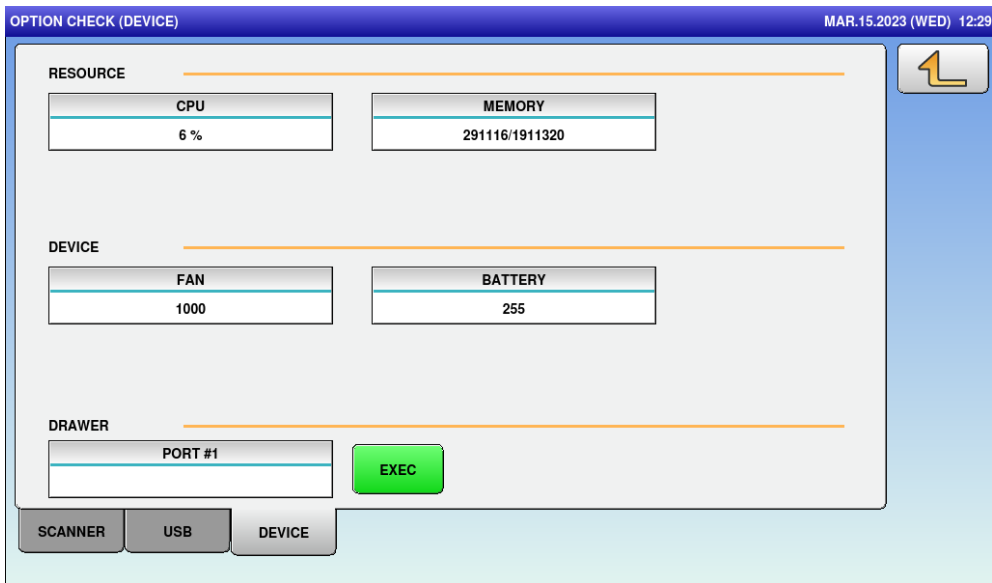
CARD MEMORY

TOTAL MEMORY SIZE	FREE MEMORY SIZE
0 KB	0 KB

SCANNER
USB
DEVICE

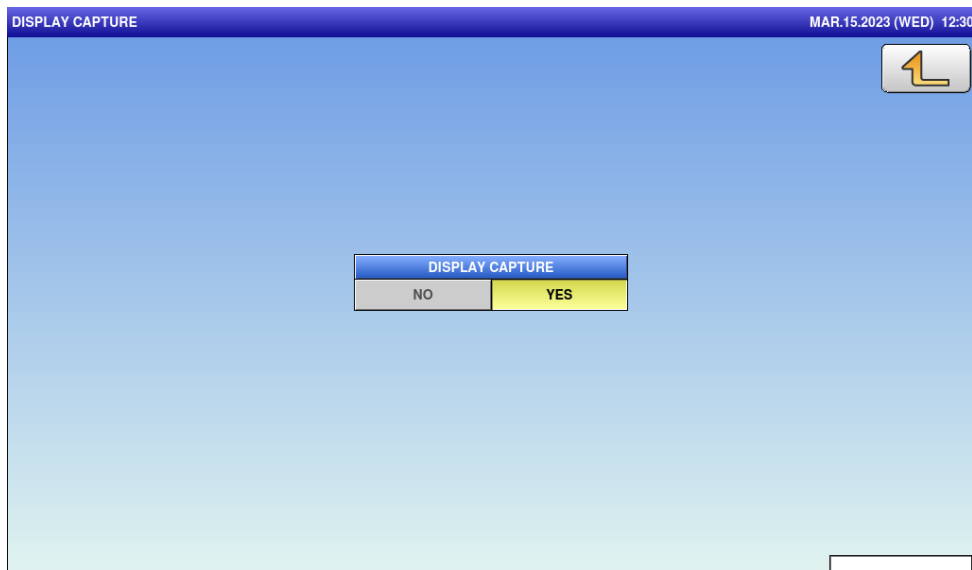
Menu name	Specification
USB MEMORY -1	Display the information of connected USB memory.
USB MEMORY -2	Display the information of connected USB memory.
CARD MEMORY	Display the information of connected SD card memory.

6.10.3 Device



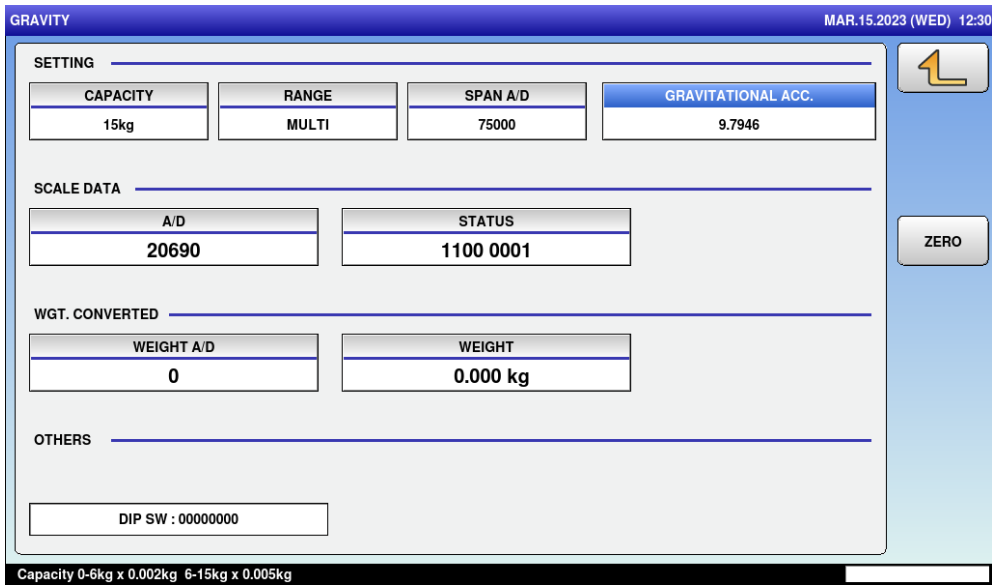
Menu name	Specification
CPU	Display the CPU use rate.
MEMORY	Display the use size and the total size of the internal memory.
FAN	Display the rotation count of the CPU fan. Unit: internal count
BATTERY	Display the battery voltage. Unit: internal AD value
DRAWER	Open the drawer

6.11 Display Capture



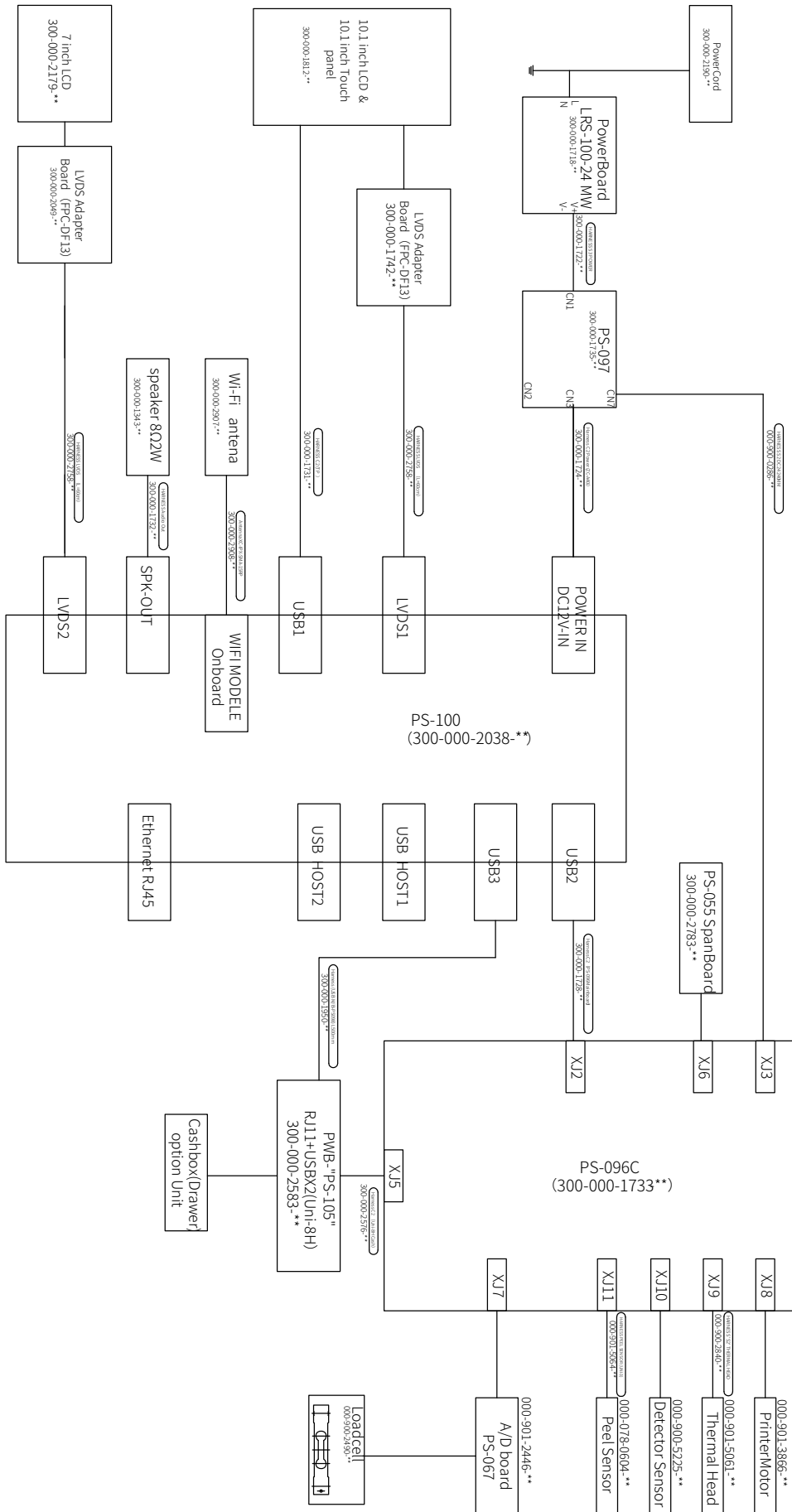
Menu name	Specification
DISPLAY CAPTURE	Enter whether or not to display screen capture icon. NO / YES

6.12 Gravity



Menu name	Specification
CAPACITY	Display the capacity.
RANGE	Display the range type.
SPAN A/D	Display the span count.
GRAVITATIONAL ACC.	Enter the gravitational acceleration. Input range: 97799 to 98300
A/D	Display the A/D count.
STSTATUS	Display the scale status.
WEIGHT A/D	Display the A/D count for weight conversion.
WEIGHT	Display the weight.
DIP SW	Display the DIP SW status of the scale.
ZERO	Display the zero-point adjustment.

7.2 Hanging type



Chapter 8 Appendix

8.1 Software setup

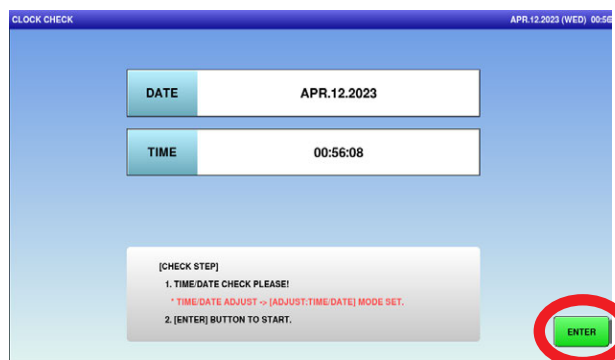
8.1.1 Preparation

- USB memory stick storage soft folder arranged directory of the USB.

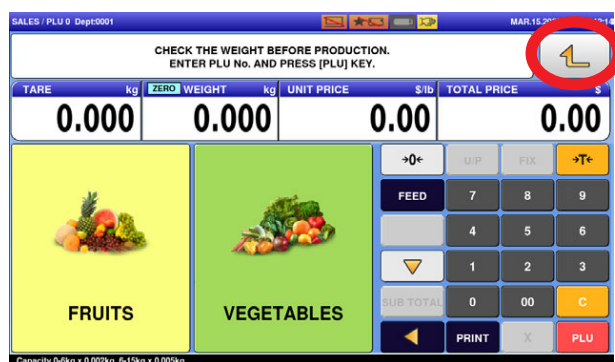
8.1.2 Backup the master data

1. Plug a USB memory stick to the port and turn on power.

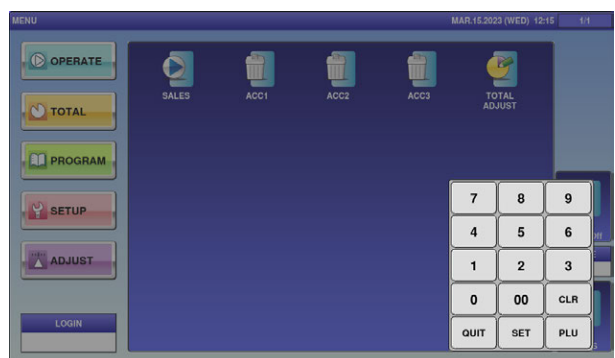
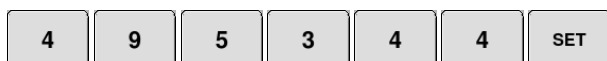
2. Press [ENTER] button.



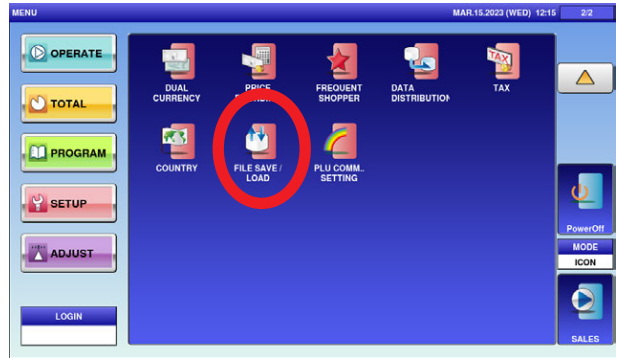
3. Press  button.



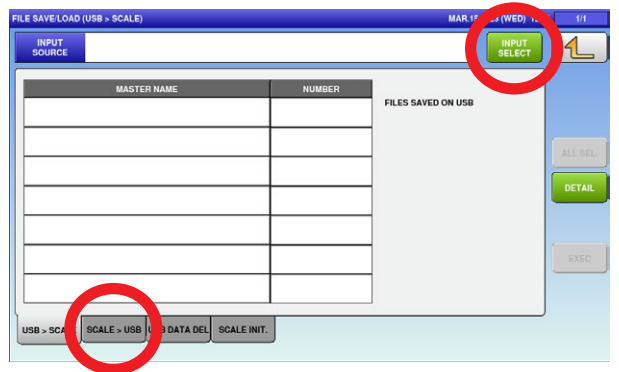
4. Press [SETUP] and [LOGIN] button, then input Password "495344" using numerical keys, and press [SET] button.



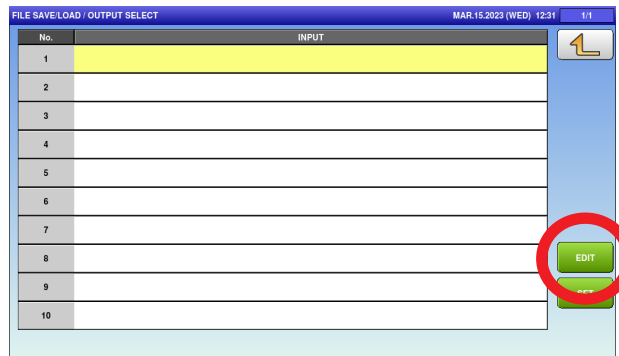
- Press  button and [FILE SAVE/LOAD] button.



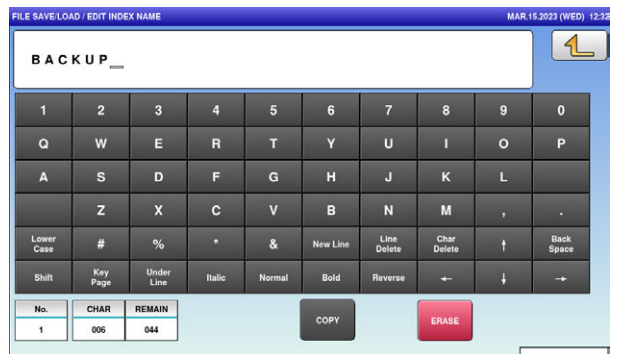
- Select [SCALE > USB] tab and press [OUTPUT SELECT] button.



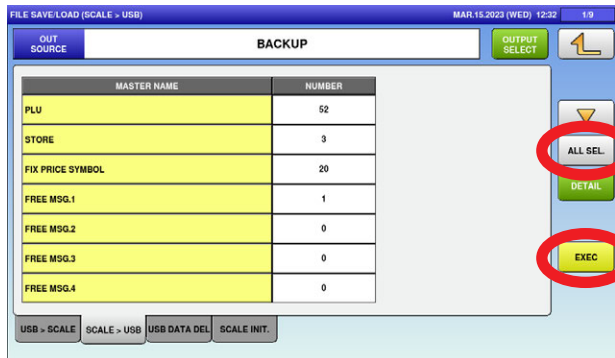
- Select number for output and press [EDIT] button.



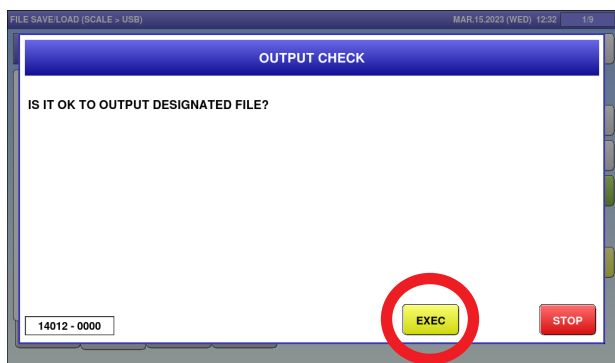
- Enter folder name and Press  button to return to previous page.



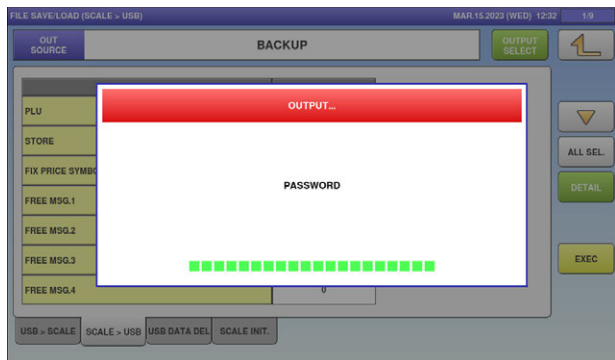
9. Press [ALL SEL.] and [EXEC] button.



10. Press [EXEC] button.



11. Starting to output files.



12. Press [OK] button and unplug USB memory stick.



8.1.3 Memorize settings

1. Print and keep the label for checking after setup.
2. Memorize the logo on receipt.
3. Memorize layout of customer side display.

HAVE A NICE DAY			
TARE	g	ZERO WEIGHT	g
0		0	
UNIT PRICE			\$/lb
0.00			
TOTAL PRICE			\$
0.00			

Capacity 0-3000g x 1g 3000-6000g x 2g

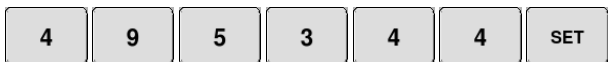
4. Memorize SELES MODE.

5. Memorize IP ADDRESS and PC IP ADDRESS on MACHINE No. screen.

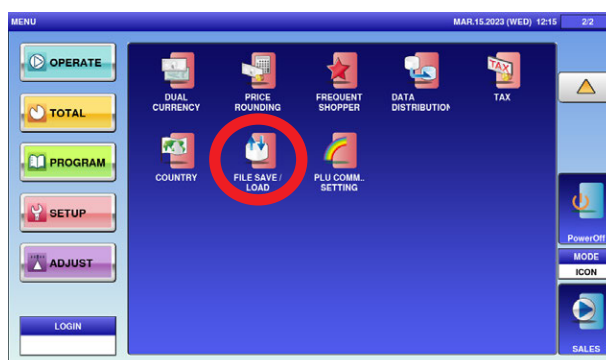
8.1.4 Install the backup data

1. Plug the USB memory stick and turn on power.

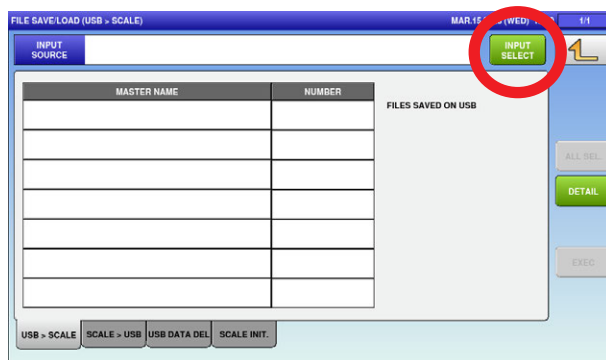
2. Press [SETUP] and [LOGIN] button, then input Password "495344" using numerical keys, and press [SET] button.



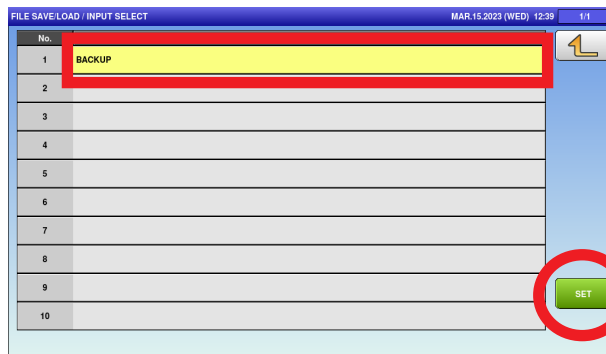
3. Press  and [FILE SAVE/LOAD] button.



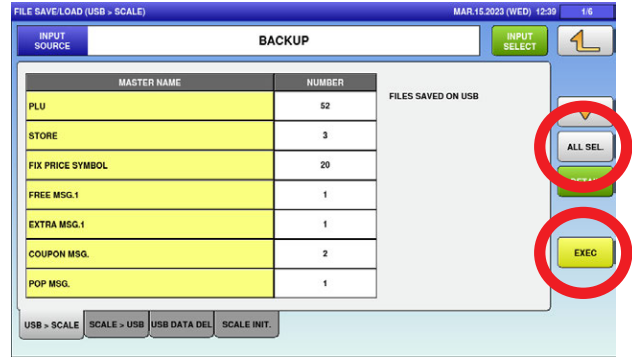
4. Press [INPUT SELECT] button.



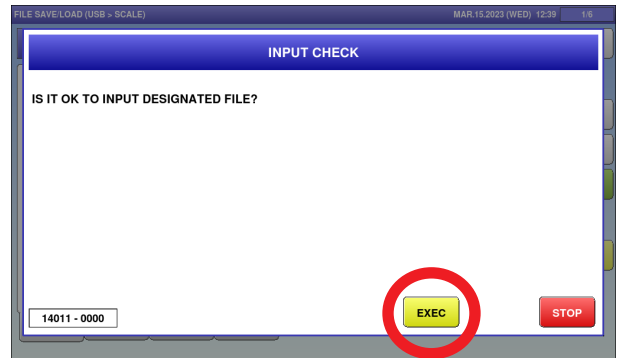
5. Select BACK line and press [SET] button.



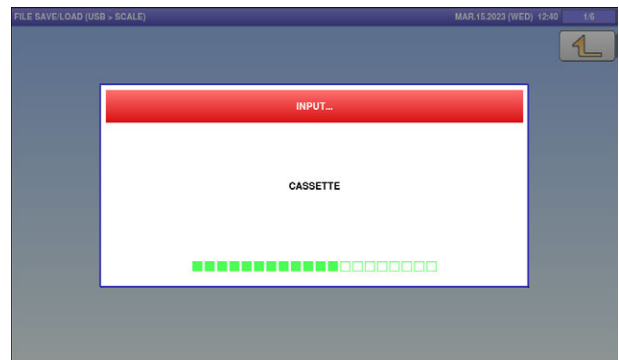
6. Press [ALL SEL.] and [EXEC] button.



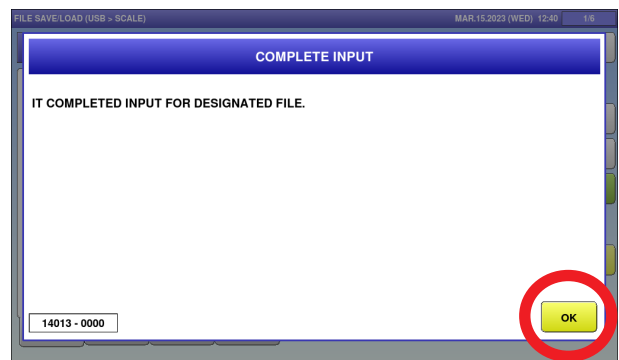
7. Press [EXEC] button.



8. Starting to input files.



9. Press [OK] button and unplug USB memory stick.



8.1.5 Check out setting

1. Turn on power.
2. To accurately check out setting of time and date and press [ENTER] button.

CLOCK CHECK APR.12.2023 (WED) 00:56

DATE	APR.12.2023
TIME	00:56:08

[CHECK STEP]
 1. TIME/DATE CHECK PLEASE!
 * TIME/DATE ADJUST → [ADJUST/TIME/DATE] MODE SET.
 2. [ENTER] BUTTON TO START.

ENTER

3. Check out layout of customer side display.

HAVE A NICE DAY					
TARE	g	ZERO WEIGHT	g	UNIT PRICE	\$/lb
0		0		0.00	
TOTAL PRICE					\$
					0.00

Capacity 0-3000g x 1g 3000-6000g x 2g

4. Check out SELES MODE.

SALES MODE MAR.15.2023 (WED) 12:33

Please select the sales mode.

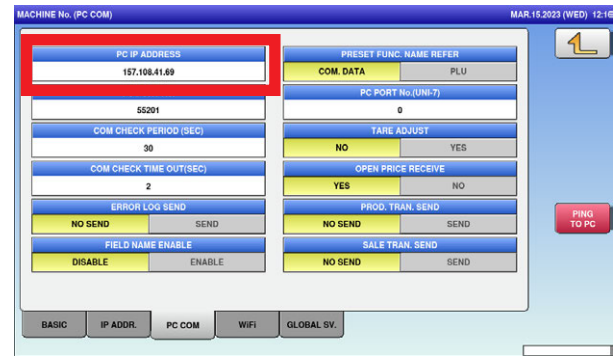
NO OPERATOR	WITH OPERATOR
CR EACH SUBTOTAL	CR SUBTOTAL ONLY
CR FIXED OPERATOR	
SELF-SERVICE	

5. Check out IP ADDRESS and PC IP ADDRESS on MACHINE No. screen.

MACHINE No. (IP ADDRESS) MAR.15.2023 (WED) 12:18

IP ADDRESS 0.0.0.0	DNS SERVER1 0.0.0.0
SUBNET MASK 0.0.0.0	DNS SERVER2 0.0.0.0
DEFAULT GATEWAY 0.0.0.0	DHCP MODE OFF YES
MAC ADDRESS E45F017B5795	
LAN IP AUTO NO YES	LAN ENABLE NO YES

BASIC IP ADDR. PC COM WIFI GLOBAL SV.



6. Print the label for checking after setup.

7. Check out the Logo, date, shop name, and format on labels.

8. Testing satellite and master connection.

9. Check the system is normally operate to turn off and on..



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