

UNI-10

3rd Edition

Service Manual



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Revision History

Version	Date	Description
1	MAY, 2022	1st edition
2	JULY, 2023	2nd edition - A change of caution(4.1.2 / 4.3.2 CONTROL UNIT)
3	AUG, 2023	3rd edition - Add Pole Type

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 the 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 Word	Meaning
 DANGER!	Indicates an imminently hazardous situation which, if not avoided, is likely to result in serious injury or may result in death.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury, or may result in serious 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.

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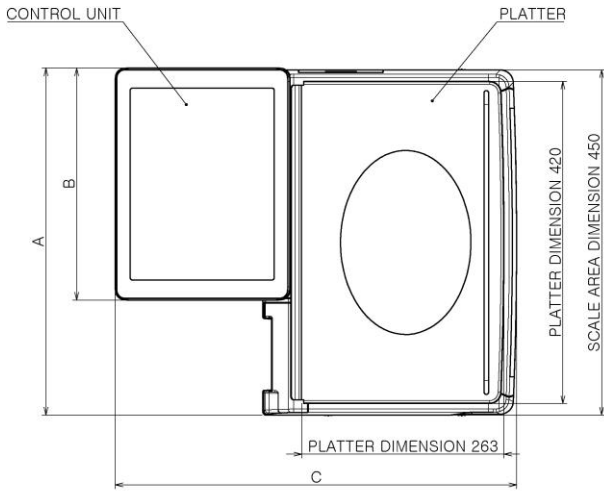
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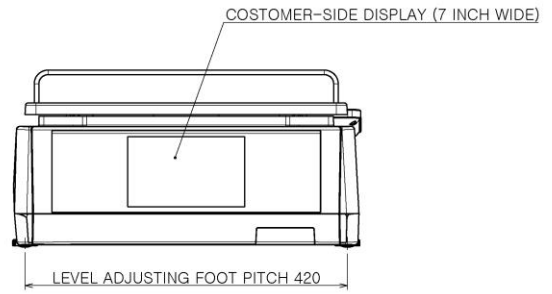
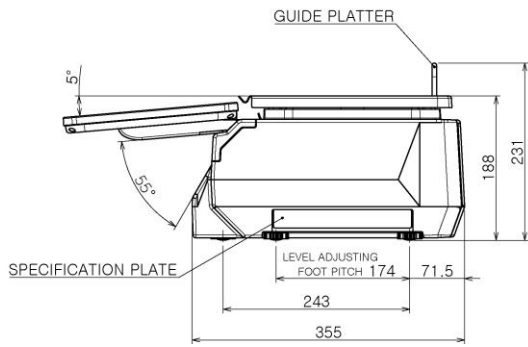
Chapter 1 Overview

1.1 External Dimensions

1.1.1 Bench type

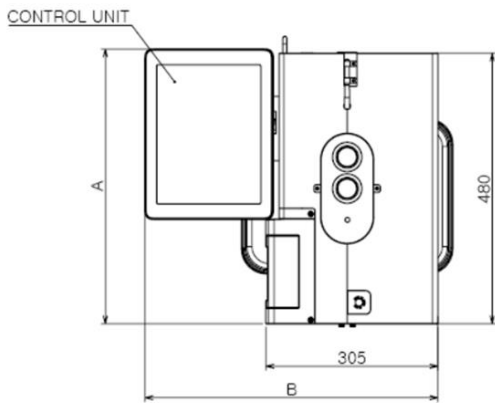


10.1inch CONTROL UNIT	445mm	264mm	474mm
12.1inch CONTROL UNIT	452.5mm	302.5mm	523mm
SPEC	A	B	C

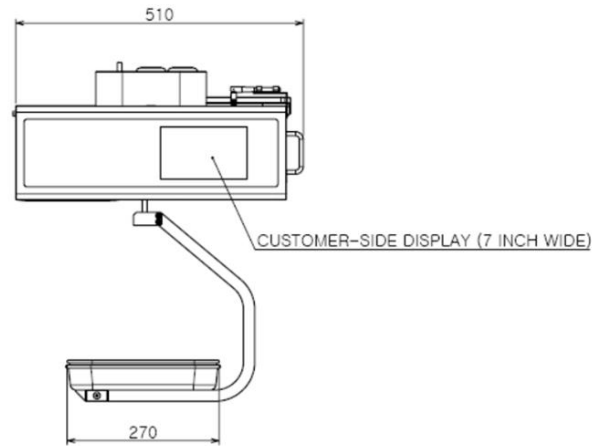
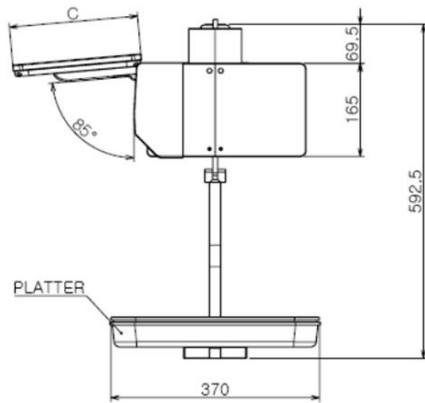


(unit: mm)

1.1.2 Hanging type

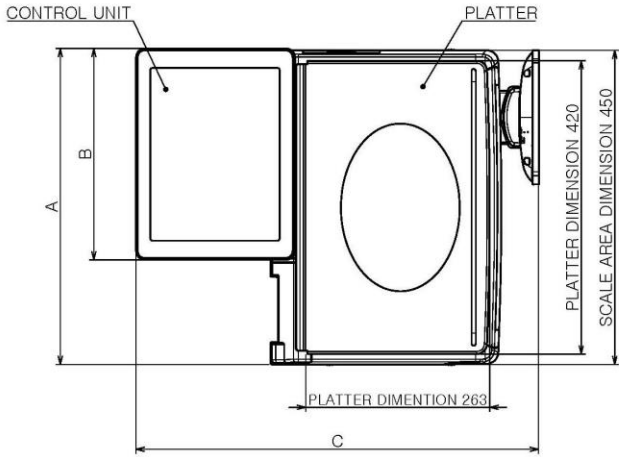


10.1 inch CONTROL UNIT	480mm	471mm	179mm
12.1 inch CONTROL UNIT	487.5mm	520mm	228mm
SPEC	A	B	C

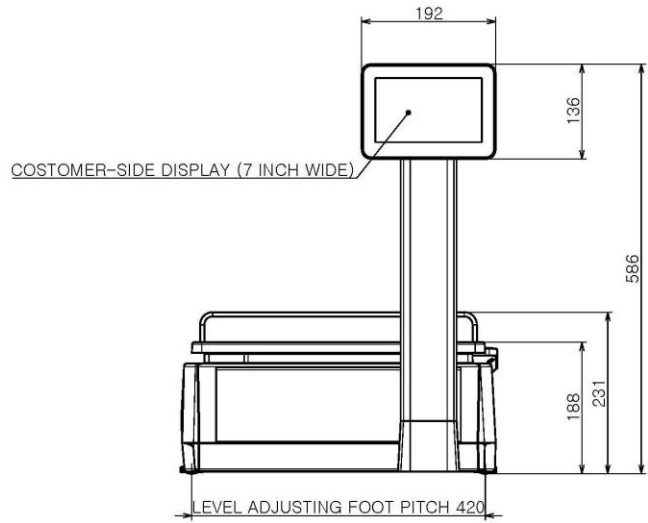
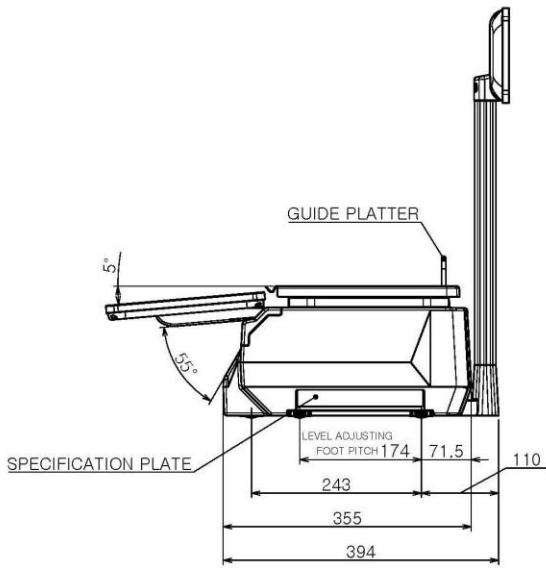


(unit: mm)

1.1.3 Pole type



10.1inch CONTROL UNIT	445mm	264mm	528.5mm
12.1inch CONTROL UNIT	452.5mm	302.5mm	576mm
SPEC	A	B	C



(unit: mm)

1.2 Specifications

1.2.1 Weighing unit Specifications

Items	Descriptions
Weighing accuracy	1/3000
Weighing capacity	15kg: 0 to 6/0.002 kg, 6 to 15/0.005 kg
Scale interval	30lb: 0 to 15/0.005 lb., 15 to 30/0.01 lb.

1.2.2 Operation unit Specifications

Items	Descriptions
Display	12.1 inch TFT color XGA LCD with LED back light 10.1 inch TFT color WXGA LCD with LED back light(OPTION)

1.2.3 Customer-side display Specifications

Items	Descriptions
Display	7.0-inch wide TFT color WVGA LCD with LED back light

1.2.4 Printer unit Specifications

Items	Descriptions
Printing method	Direct thermal method
Thermal head	3 inches (960 dots) and 12 dots/mm
Printing speed	120 mm/second
Printing effective size	80 mm
Label size	Label width: 30 mm to 80 mm Label length: 20 mm to 100 mm (Up to width 60mm is 20mm to 300mm)
Character Decoration	Enhanced print character, Monochrome inversion, Underline and Enclosed character

1.2.5 Cassette unit Specifications

Items	Descriptions
Label replacement method	Replacement a cassette accessing in front of machine.
Cassette unit	Seven kinds of unit
Diameter of label roll	Internal diameter of paper tube :40 mm \pm 1 mm Maximum external diameter : 125 mm

1.2.6 Others

Items	Descriptions
Power supply	Single phase 100 to 240 V AC, Frequency: 50/ 60 Hz
Power consumption	Standby: 60 W Printing: 180 W
Use conditions	Temperature: 0 to 40°C Humidity: 20 to 85%, Non condensing Override available temperature and humidity ranges of using label.
Machine weight	16kg (bench type), 20kg (hanging type)
Dimensions	Width: 452.5 mm (bench type), 487 mm (hanging type) Depth: 302.5 mm (bench type), 520 mm (hanging type) Height: 231 mm (bench type), 588 mm (hanging type)
Input/ Output	LAN: 1 channel USB: 4 channels Drawer: 1 channel

1.2.7 Options

- Scanner (USB type) / MODEL : LS2208 (SYMBOL)
- Color Printer (Contents of support in UNI-9HEB specifications) / MODEL : CW-C6000Pu (EPSON)
- Cash drawer (Modular jack connection)
- Scale connection cable (2m)
- Bixolon printer / MODEL : SLP-DX420 (BIXOLON)

Chapter 2 Installation

2.1 Delivery preparation

2.1.1 Check enclosed parts

In addition to the UNI-10 unit, verify that the following items are included

Parts name	Specification	Remarks	Quantity
CD MANUAL	UNI-10		1
Head Cleaner Set		Please locally procure Ethyl alcohol (concentration of over 95%) and use it as THERMAL HEAD CLEANER.	1
Sticker Cassette No.			1
Sticker Void			1
Power Cord			1
SCREW SEAL HEXA	10mm		1
Seal, Seal WIRE			1

2.1.2 Goods needed for delivery

- Weights for balances (equivalent to hail weight/class 2 standard)
- (If necessary)USB memory with customer configuration data
- Labels to be used by the customer
- +Driver

2.2 Delivery installation

2.2.1 Installation conditions

- A place not exposed to direct sunlight.
- A place free from water.
- Avoid dusty areas.
- Avoid places with a lot of vibration.
- Temperature range 0°C to 40°C, humidity 20% to 85% (non-condensing)
- Stable power supply voltage

2.2.2 Connection of options

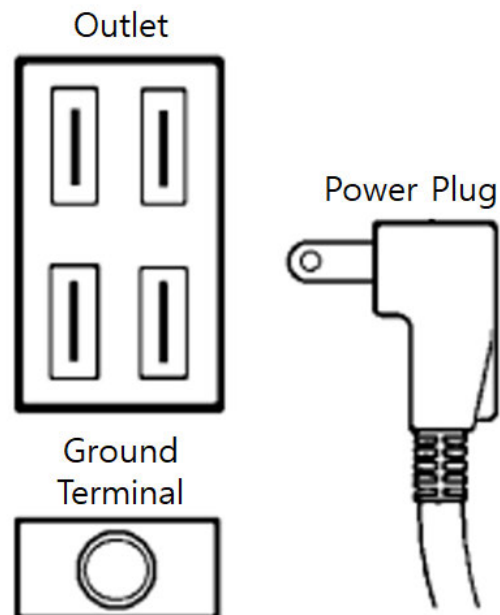
- WOUND SCANNER (USB connection)
- Cache Drawer (modular jack connection)
- BIXOLON Printer
- Color Printer

2.2.3 Power used

The power supply for this unit uses Single-phase 100-240 VAC, Capacity 4A-2A.

The shape and rating of the power plug are as shown in the figure on the right, so prepare an outlet that meets this standard.

In addition, since a power supply that generates noise or causes a voltage drop may cause malfunction, please use a dedicated power supply.



To prevent electric shock, be sure to connect the ground wire (D installation or higher).

2.3 Setup

2.3.1 Required Configuration Items

- MEMORY CLEAR (ADJUST Mode)
- PRINTER (ADJUST Mode)
- OPERATION SETTING (SETUP Mode)
- ERROR PROCESS (SETUP Mode)
- LABEL FORMAT (SETUP Mode)
- BARCODE (SETUP Mode)

2.3.2 Download User Data

When using USB flash memory that contains data for the user,
Run on the 「FILE SAVE/LOAD」 → 「USB>SCALE」 tab of the maintenance configuration mode and download it to this device.

Recommended (USB Memory Stick)
<p>As of March 2021, the recommended USB memory numbers are as follows: ※ The recommended USB part number may be updated due to discontinuation of production. Part Number : 000-149-5390-07 Part Name : USB Memory Flash '1G Model number : UDG4-1GDRJS</p>

2.3.3 Minimum confirmation

- PASSWORD
- PLU UPDATE
- KEY LOCK
- PLU INITIAL DATA
- TRACE
- FILE SAVE/LOAD
- PRESET KEY
- DATA STORAGE (TOTAL ADD / NON ADD)
- PLU (PACK DATE , SB DATE)
- MACHINE No. (Machine/Department No. , set according to specifications)

2.4 Confirmation of operation

■ Weight confirmation

Place Weights for balance (15 kg[30 lb], equivalent to Grade 2) on the plate and verify that the display weight is within 15,000 g[30lb] \pm 1 minimum display(5g[0.01 lb]).

■ Four-corner verification

Place weights (close to 15 kg[30 lb], lighter than 15 kg[30 lb]) on the Center and four corners of the measuring plate, And make sure the difference between the center and the four corners is within \pm 1 minimum display (5 g[0.01 lb]).

■ Confirmation of label printing

Check the print on the label used by the customer.

(Verify that the date, weight, weight and unit price calculation processing, and amount display are correct.)

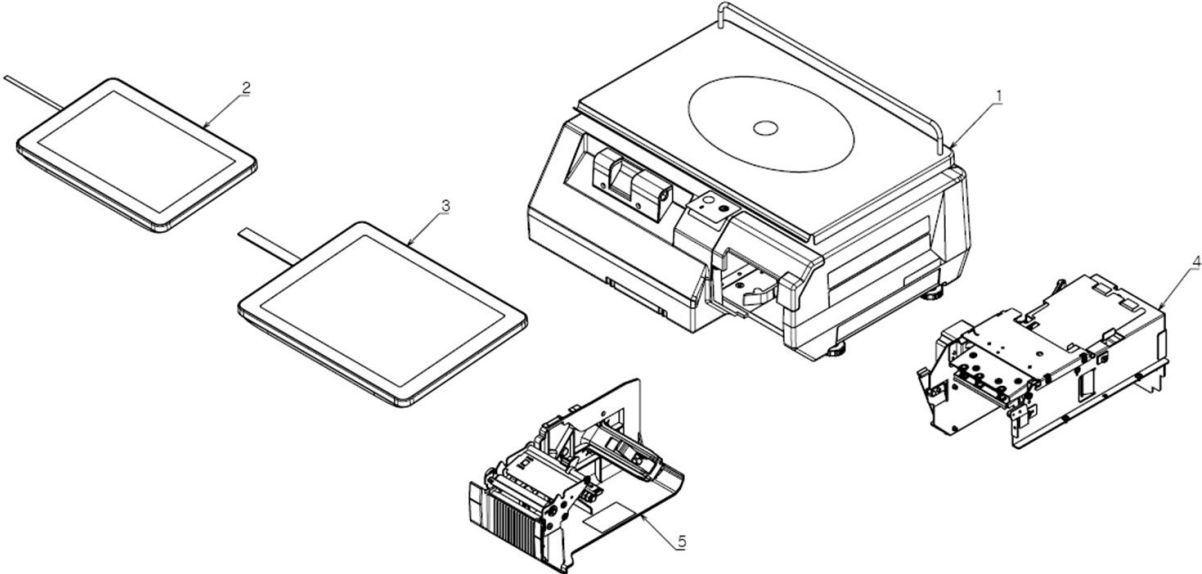
2.5 USER MANUAL

Based on USER MANUAL, please explain to the user how to operate and how to handle it. Verify that you fully understand the user.

Chapter 3 Mechanical hardware

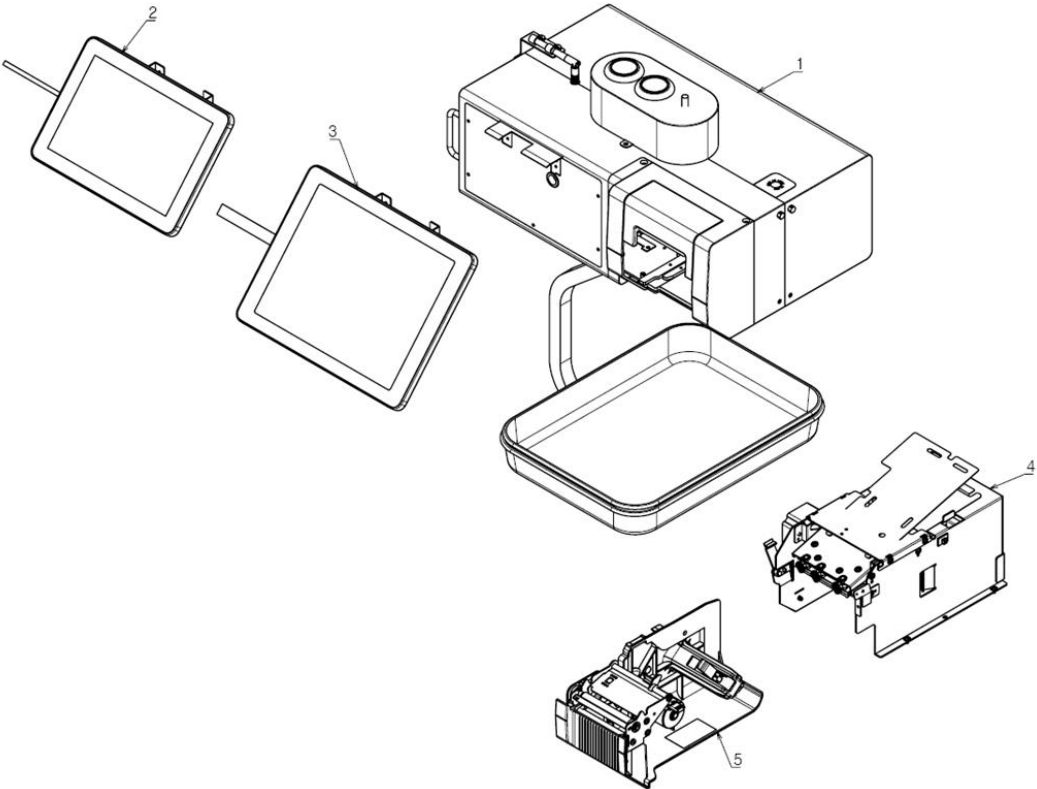
3.1 Exploded view

3.1.1 Bench type



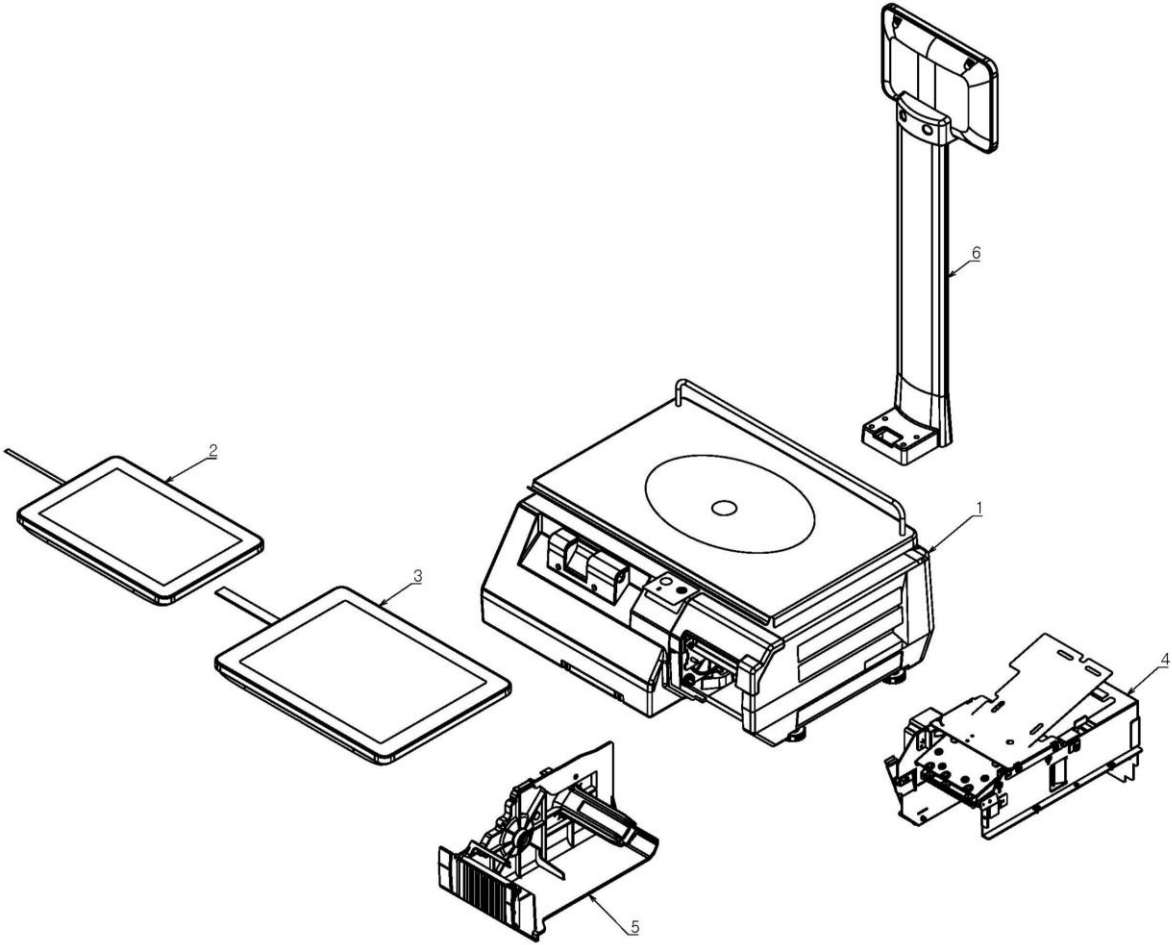
※ No.6 HARNESS UNIT(10.1) & No.7 HARNESS UNIT(12.1) is refer to CHAPTER 07 Block Diagram.

3.1.2 Hanging type



※ No.6 HARNESS UNIT(10.1) & No.7 HARNESS UNIT(12.1) is refer to CHAPTER 07 Block Diagram.

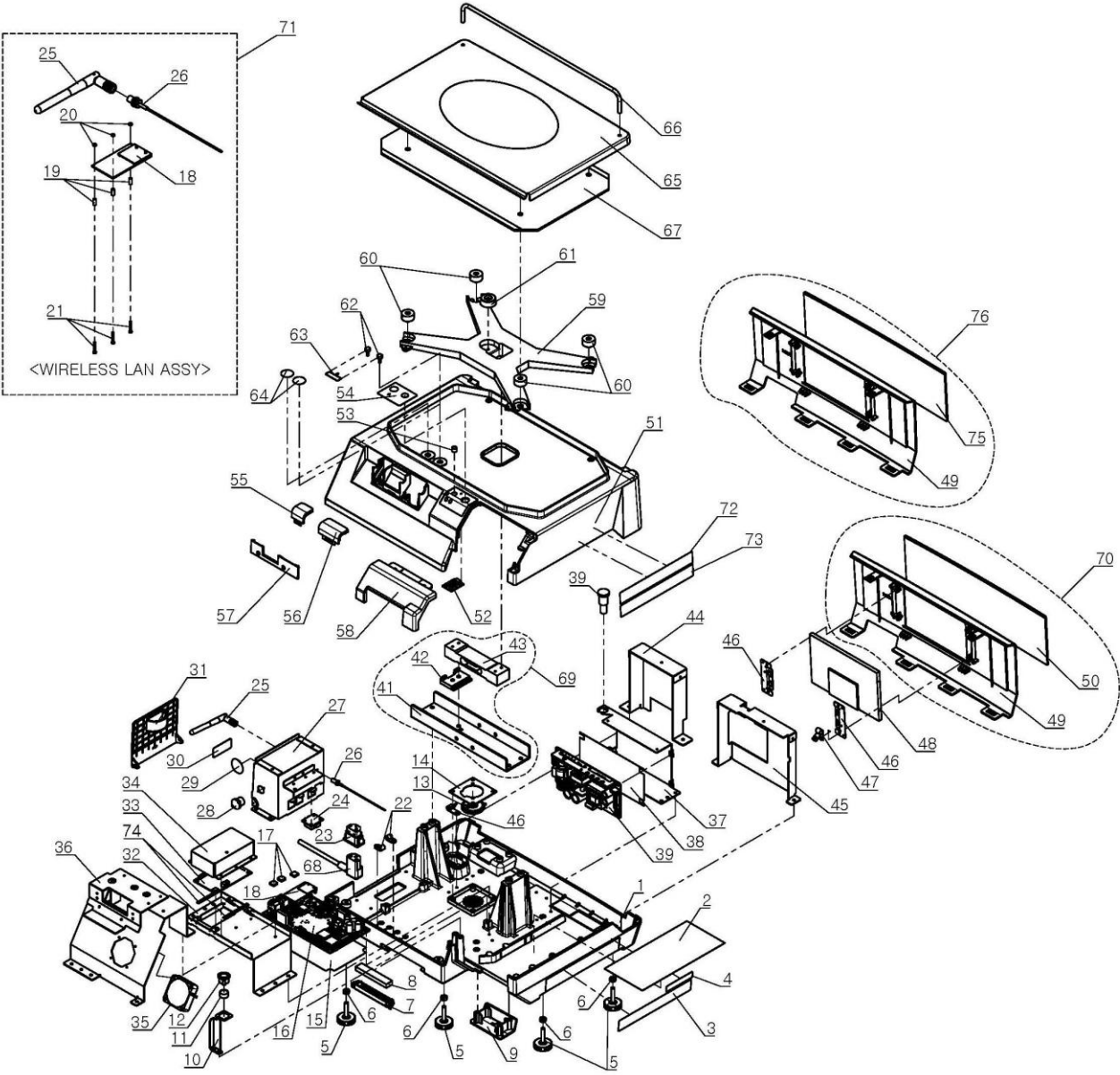
3.1.3 Pole type



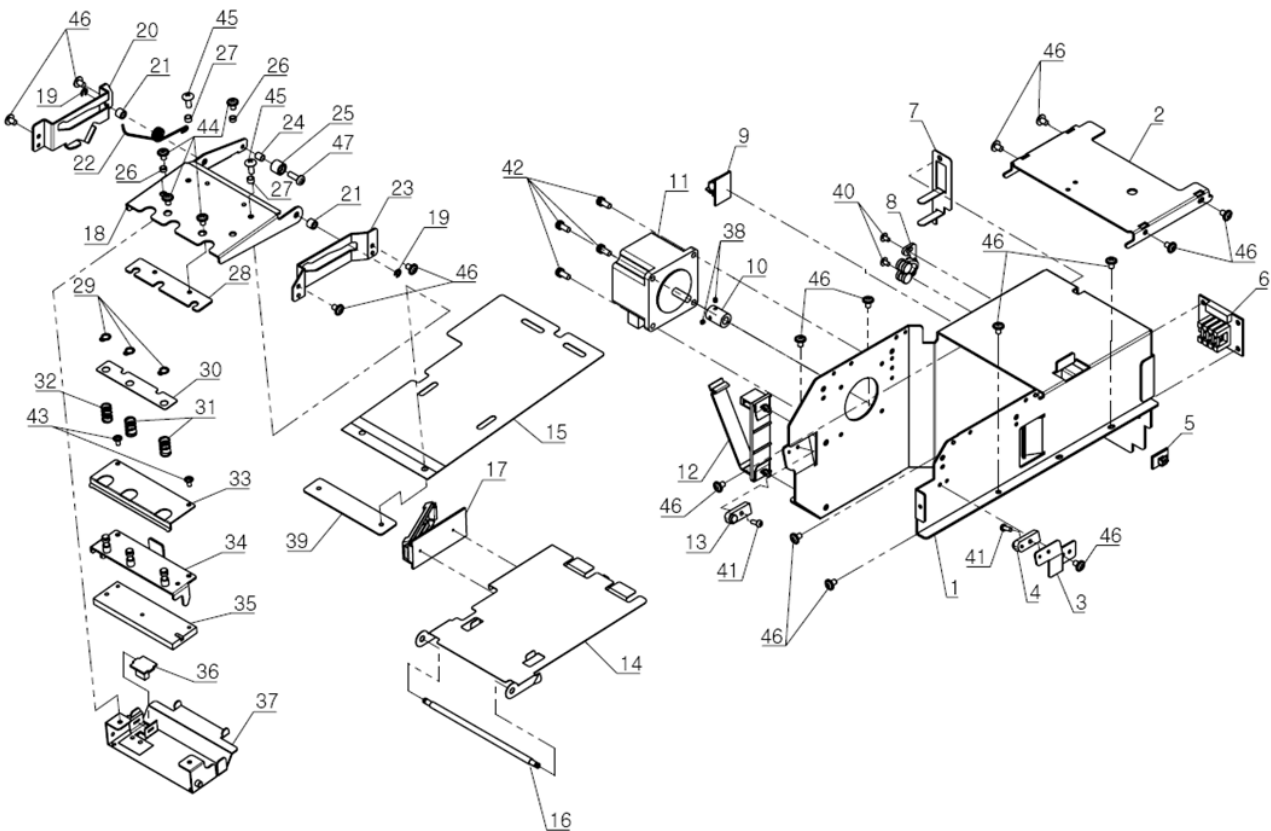
※ No.6 HARNESS UNIT(10.1) & No.7 HARNESS UNIT(12.1) is refer to CHAPTER 07 Block Diagram.

3.2 Exploded view of each unit

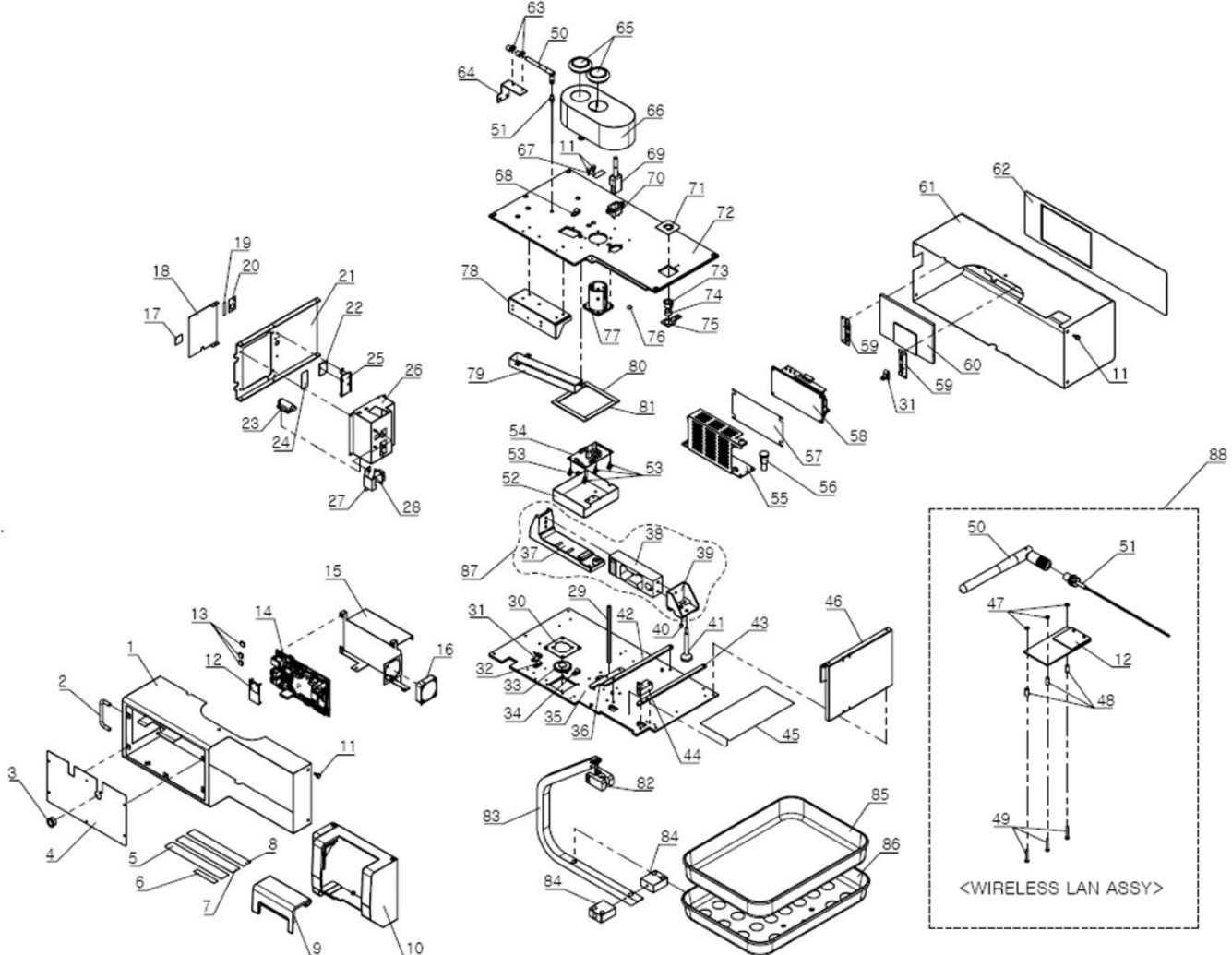
3.2.1 Bench, Pole type scale unit



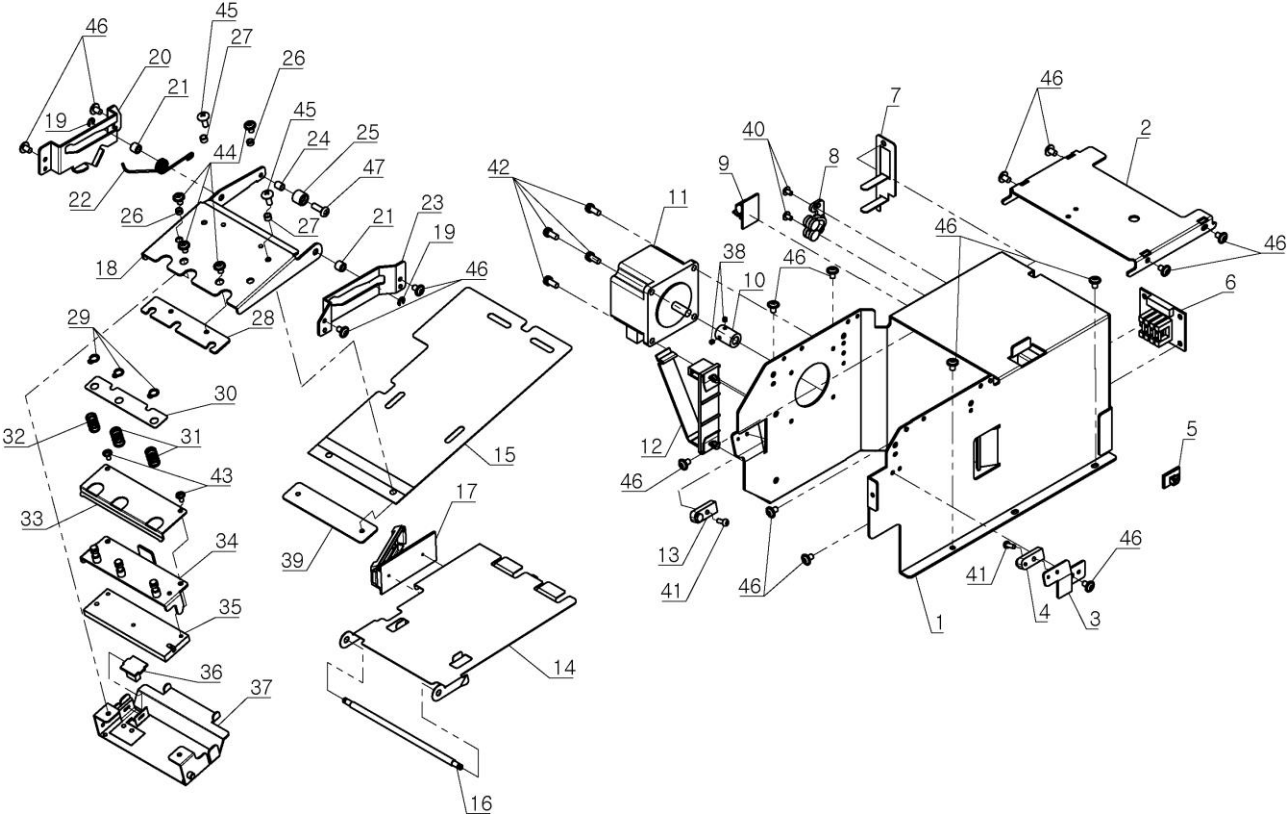
3.2.2 Bench, Pole type printer unit



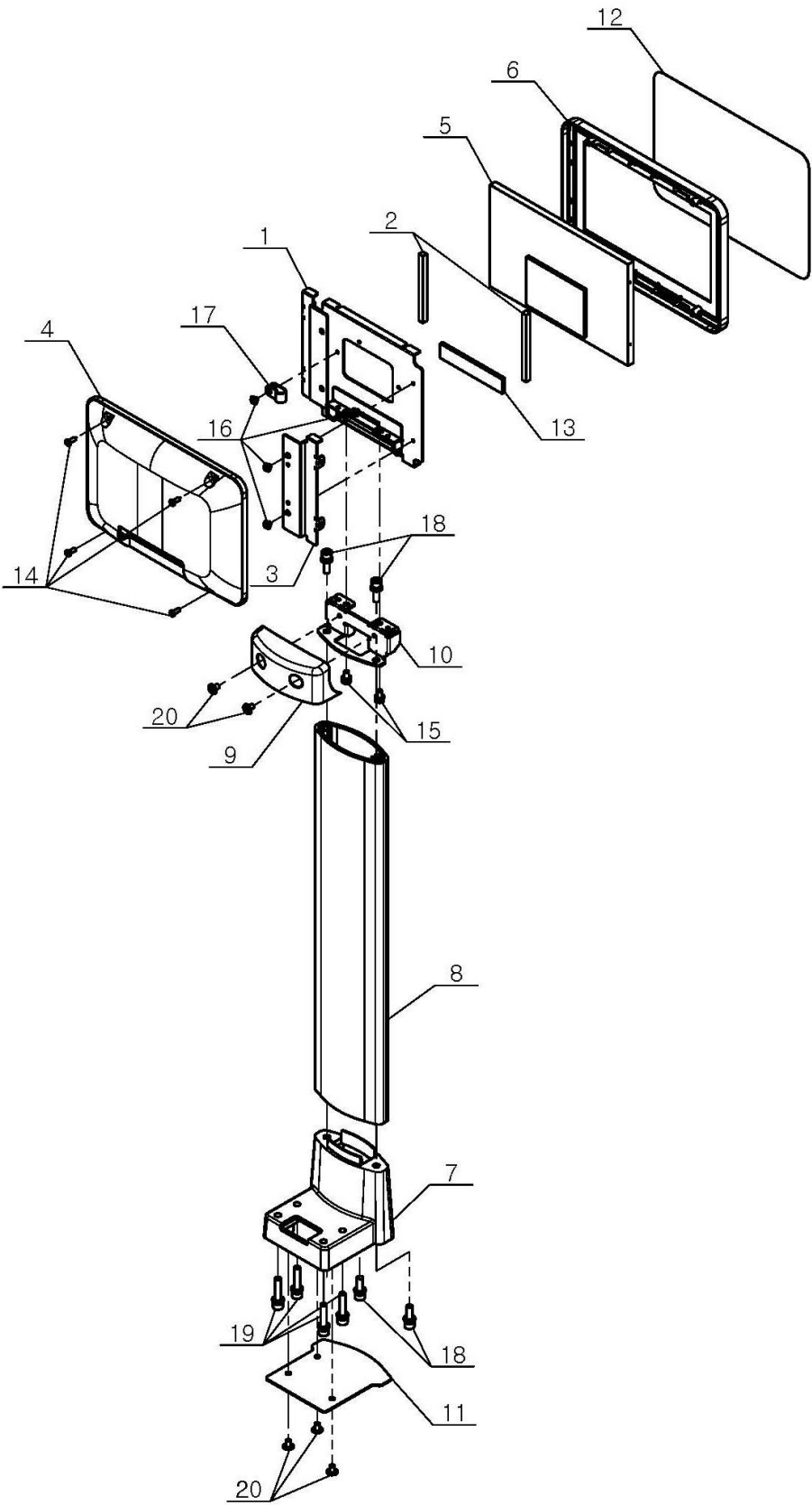
3.2.3 Hanging type scale unit



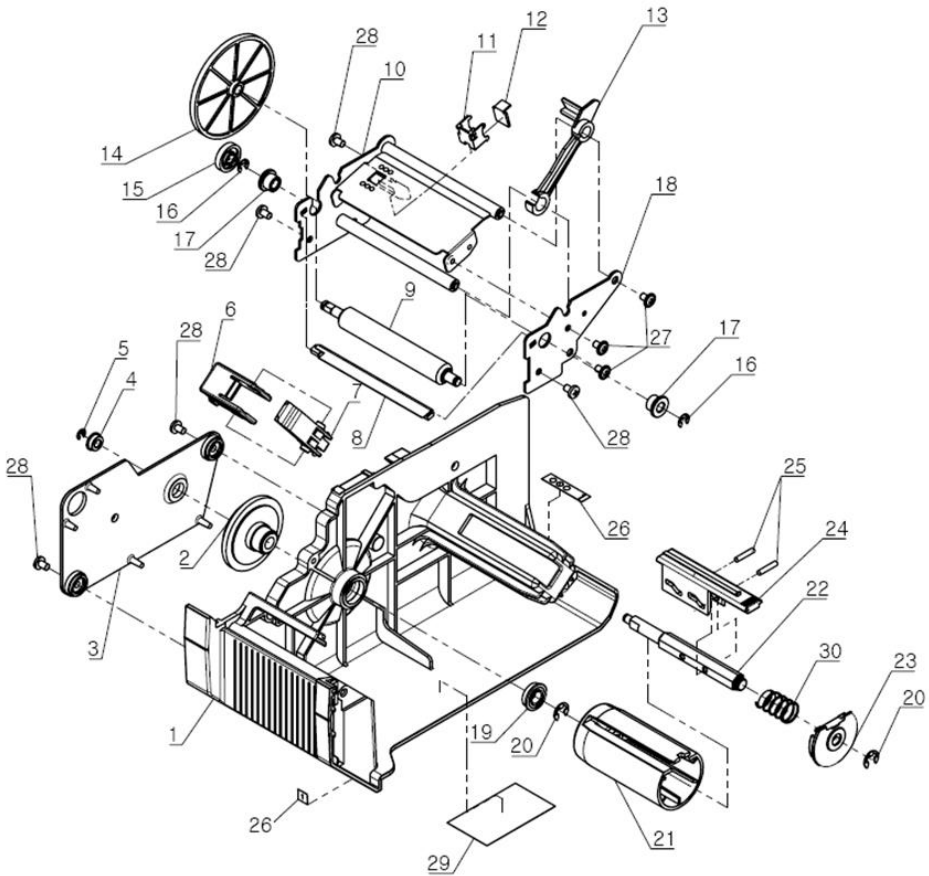
3.2.4 Hanging type printer unit



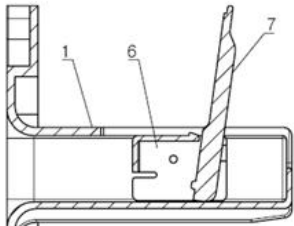
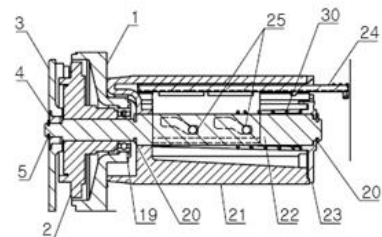
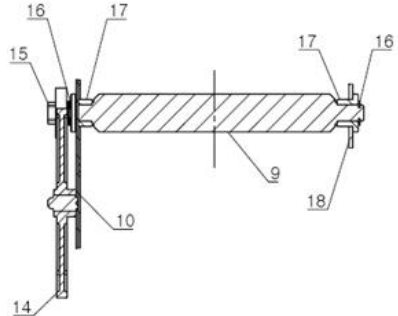
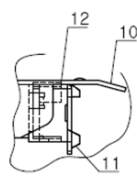
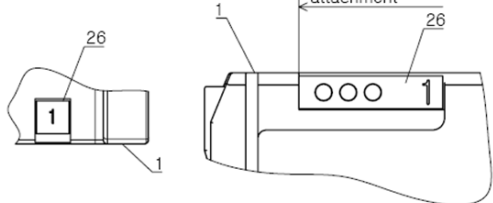
3.2.5 Pole type Pole unit



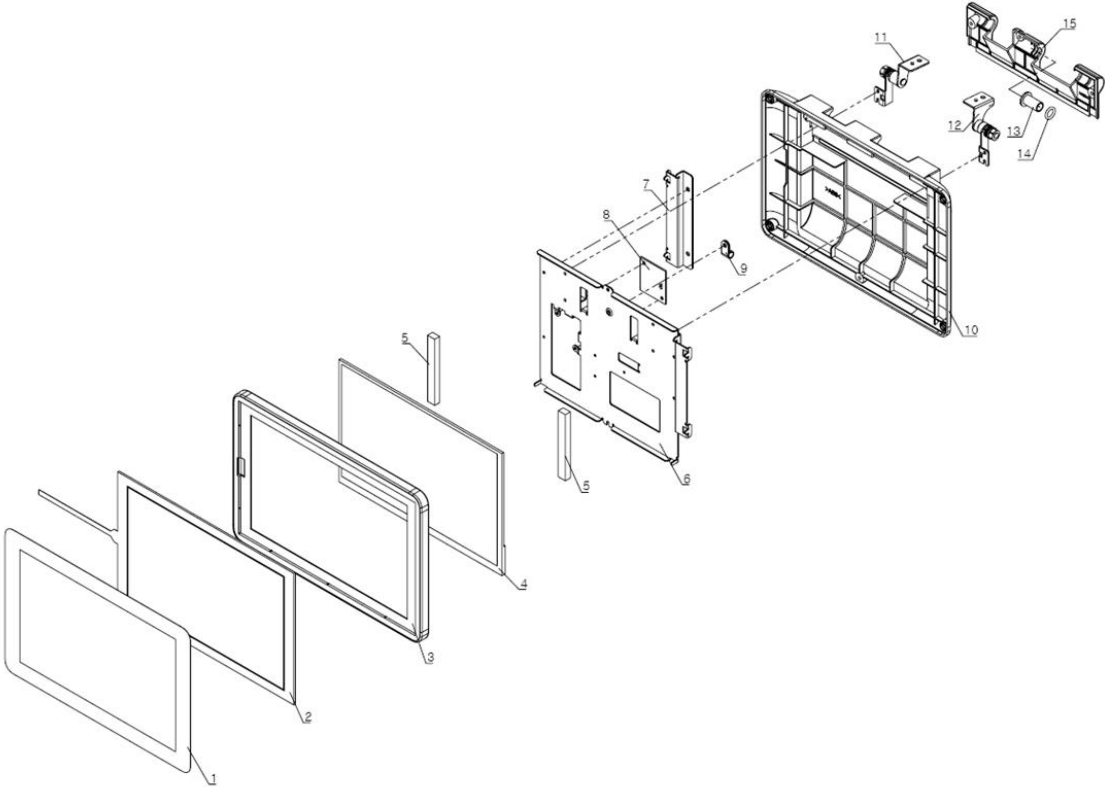
3.2.6 Cassette unit



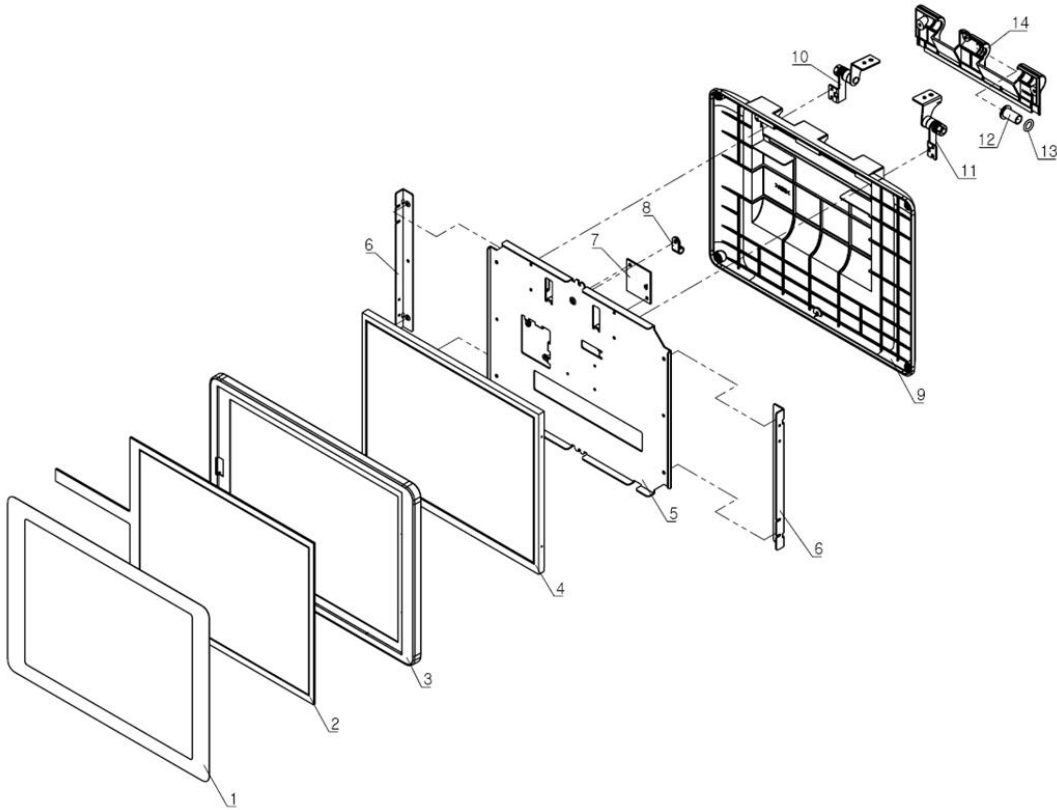
Based on the location of the attachment



3.2.7 Control unit (10.1inch)



3.2.8 Control unit (12.1 inch)

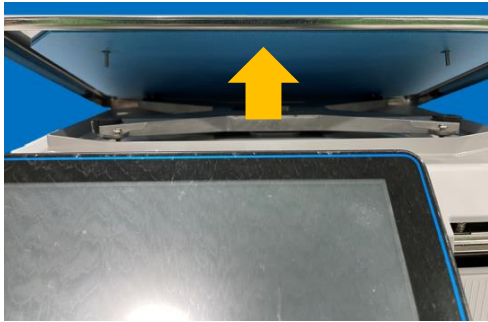


Chapter 4 Maintenance

4.1 Bench, Pole type disassembly

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

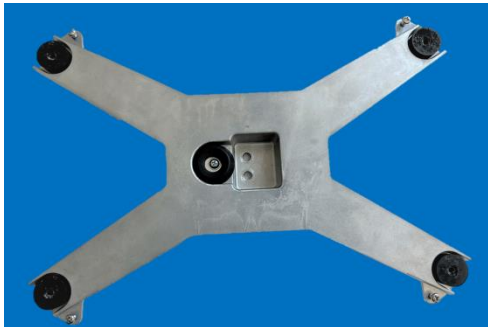
4.1.1 PLATTER UNIT



1. Detach the PLATTER.



2. Remove the hex wrench bolt (5 mm).



3. After removing the 2 screws detach SUPPORT PLATTER.

※ Reverse this procedure for assembly

4.1.2 CONTROL UNIT



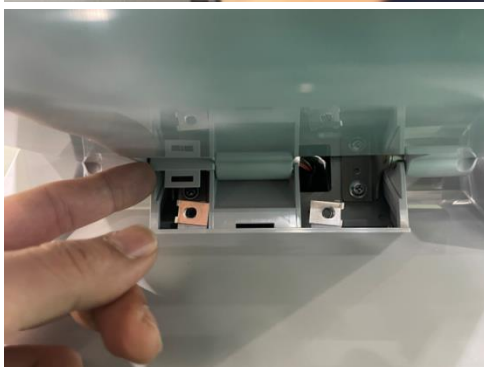
1. Remove 2 screws of the COVER HINGE LOWER.

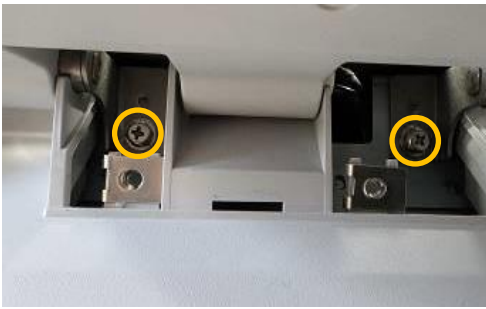


2. Detach the COVER HINGE LOWER.

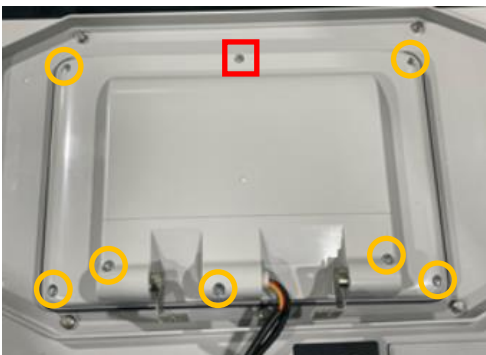


3. Pull out the COVER HINGE UPPER R and L.

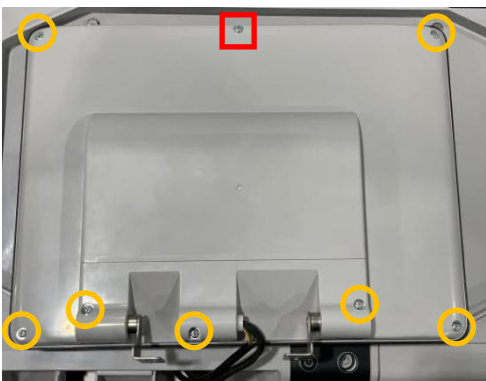




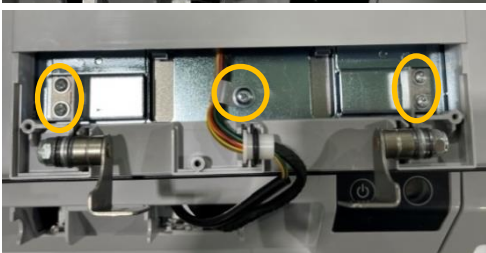
4. Remove the 2 screws securing each hinge.



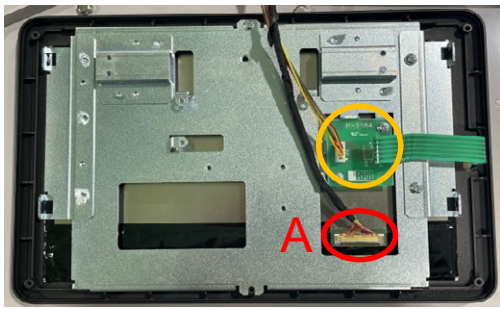
5. (10.1 inch control) Remove 8 screws.
□ 1 bind screws M3x10
○ 7 round washer head screw M3x8



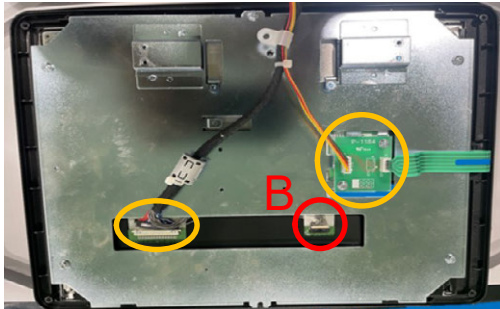
6. (12.1 inch control) Remove 8 screws.
□ 1 bind screws M3x10
○ 7 round washer head screw M3x8



7. Remove 5 screws.



8. (10.1 inch control) Unplug connectors and plug.



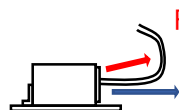
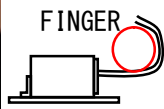
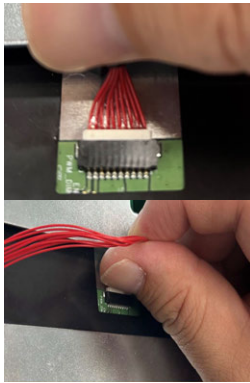
9. (12.1 inch control) Unplug connectors.

[CAUTION]

The wires of the 'A' and 'B' harness are very thin (AWG32#).

Therefore, please be careful when disconnecting as they may break.

※ Reverse this procedure for assembly.

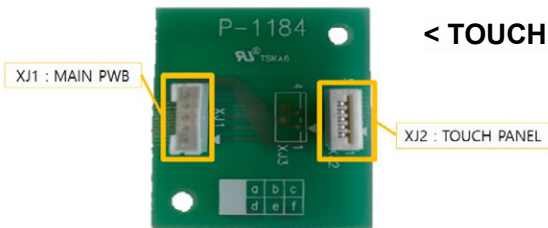


Force direction : NG(20° ↑)
Force direction : OK

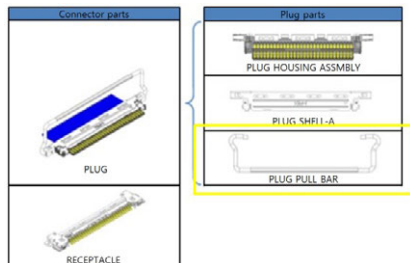
CONNECTOR REMOVAL METHOD AND PRECAUTIONS

- Do not lift up more than 20 degrees.
 - Do not tilt to the side more than 20 degrees.
1. Grasp the wires with your fingers as shown in the photo.
 2. Pull the wires horizontally.

< TOUCH PANEL REPEATER PWB CONNECTOR INFORMATION >



CON' NUMBER	DESTINATION
XJ1	MAIN PWB
XJ2	TOUCH PANEL



CAUTION

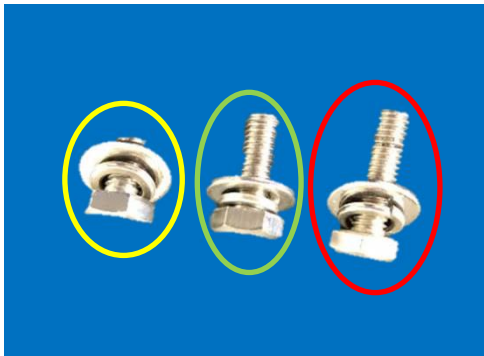
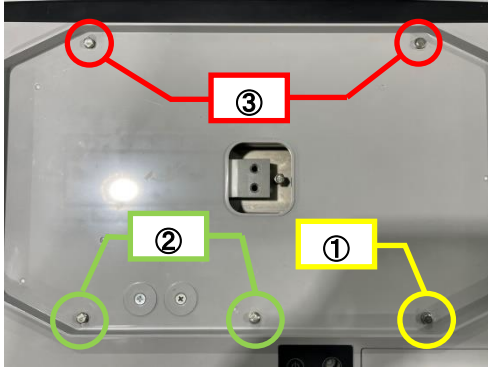
Please don't use 'PLUG PULL-BAR' for insertion of connector.

Check the description of [Un-Mating] & [Inserting]

[Un-Mating] Release the 'PLUG PULL-BAR' lock from the PCB side connector and turn up 'PLUG PULL-BAR' to horizontal. Then, Remove the cable.

[Inserting] Push both ends of cable side connector horizontally. After mated, push 'PLUG PULL-BAR' to PCB side and lock it to 'SHELL' of the PCB side connector.

4.1.3 CASE MAIN UPPER



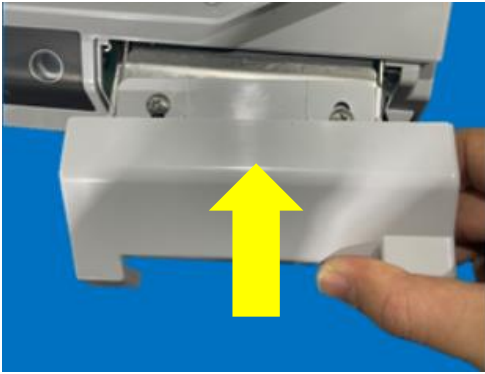
1. Disassemble PATTERN UNIT and CONTROL UNIT.
2. Remove 5 screws assembled to the CASE MAIN UPPER.

3. ① The length of the screw marked in yellow is 8 mm
 ② The screw length marked in green is 12 mm
 ③ The screw length shown in red is 16 mm

4. Remove the two screws at the bottom of BASE.

5. Put your fingers in CASSETTE UNIT and pull out.

6. Remove the cover securing screw on the right side of the cassette insert.



7. Remove the COVER PRINTER by pushing it in the direction of the arrow.



8. With the product up 90 degrees, remove the bottom part with a flat-blade screwdriver as shown in the picture.





9. Pull out the customer panel liquid crystal harness little by little and return the main body to the horizontal position.



10. Carefully detach the CASE MAIN UPPER attached ON/OFF switch substrate harness.

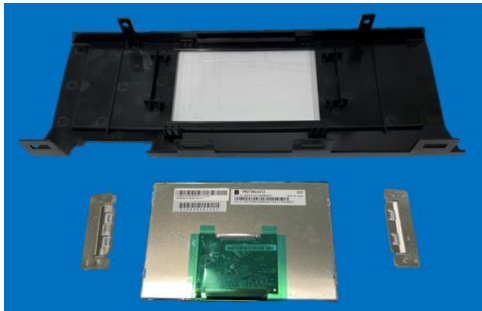
※ Reverse this procedure for assembly

4.1.4 CUSTOMER DISPLAY UNIT

1. Disassemble PLATTE UNIT, CONTROL UNIT and CASE MAIN UPPER.
2. Remove 5 screws assembled to the CASE REAR UNIT.

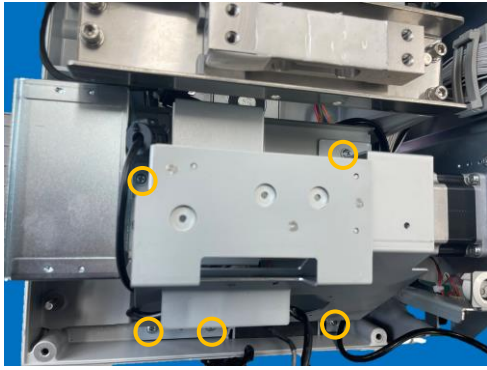


3. Remove stuck tape to harness plug of the customer panel liquid crystal.

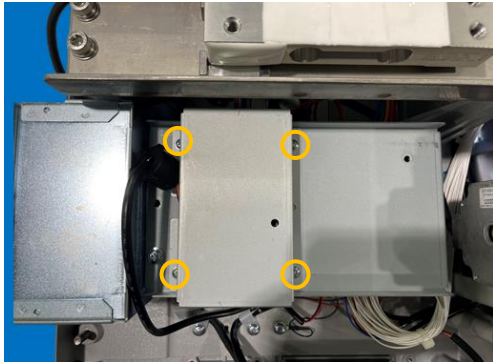


※ Reverse this procedure for assembly

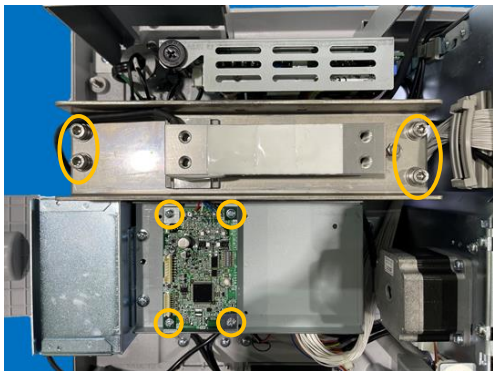
4.1.5 LOAD CELL & AD BOARD



1. After removing CASE MAIN UPPER remove 5 screws and detach BRACKET HINGE.



2. After removing 4 screws detach COVER AD BOARD.



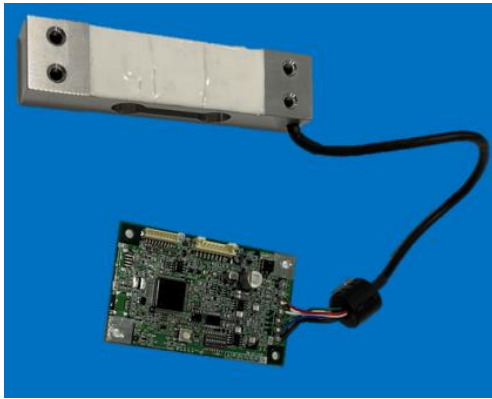
3. After removing 4 screws on BRACKET LOAD CELL remove 4 screws assembled on AD BOARD.



4. Remove cable tie



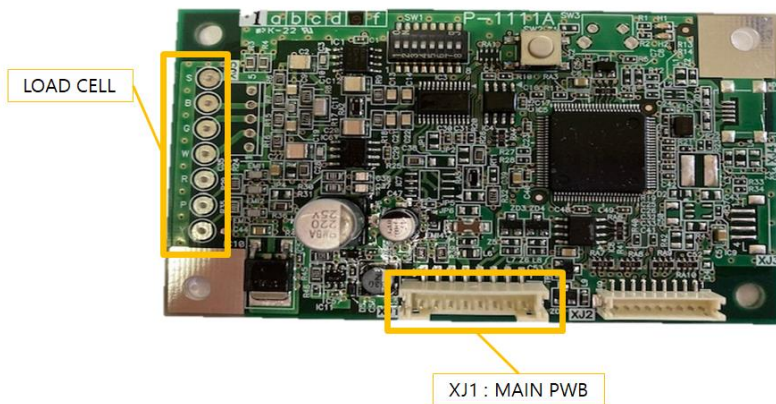
5. Remove 2 screws bottom of BRACKET LOAD CELL.



6. Detach LOAD CELL & AD BOARD.
Reference [3.6 LOAD CELL Replacement] for LOAD CELL & AD BOARD Replacement.

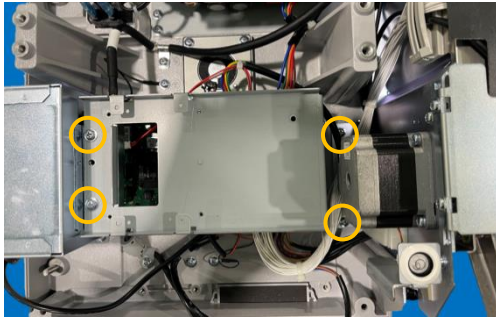
※ Reverse this procedure for assembly

< AD BOARD CONNECTOR INFORMATION >



CON' NUMBER	DESTINATION
XJ1	MAIN PWB
XJ2	UNUSED
XJ3	UNUSED
XJ4	UNUSED
XJ5	UNUSED

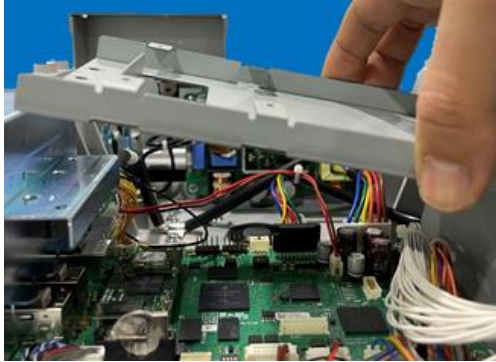
4.1.6 POWER BOARD



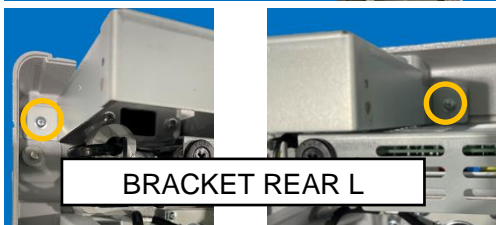
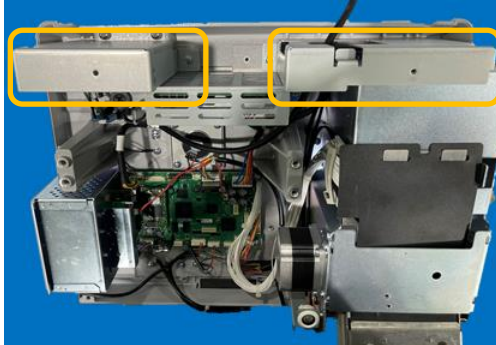
1. After removing 4 screws detach BRACKET AD BOARD.

CAUTION

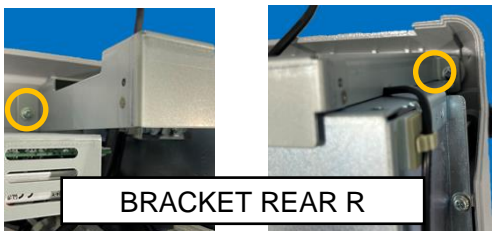
When detaching BRACKET AD BORAD, be careful not to damage the other harness.



2. After removing 4 screws detach BRACKET REAR L/R.



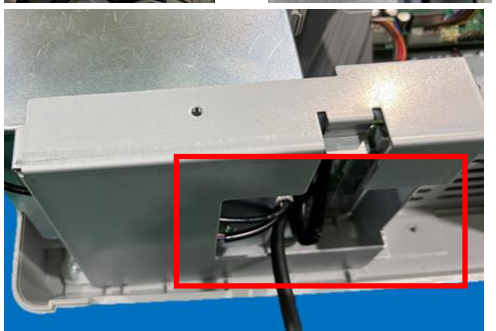
BRACKET REAR L

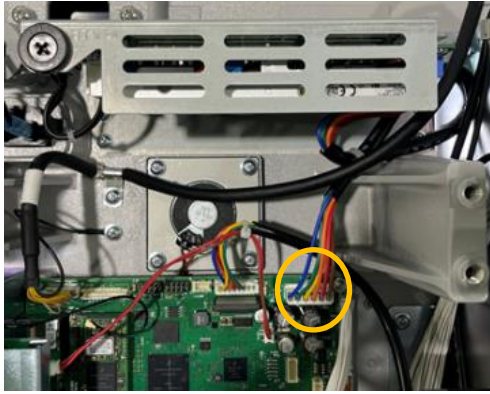


BRACKET REAR R

CAUTION

When detaching BRACKET REAR R, The picture on the left Be careful not to damage the customer panel liquid crystal harness in red area.





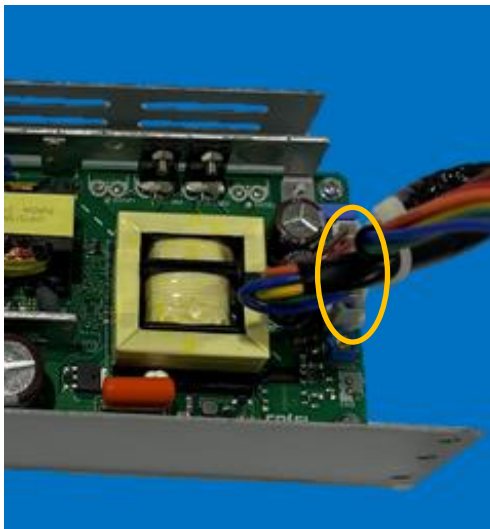
3. Unplug a connector connected to MAIN BOARD.



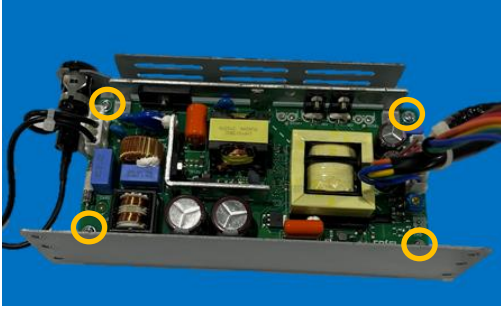
4. Unplug two connectors connected to INLET.



5. After removing 4 screws detach POWER BOARD UNIT.



6. Unplug two connectors connected to POWER BOARD



7. Remove 4 screws.



8. Detach POWER BOARD

※ Reverse this procedure for assembly.

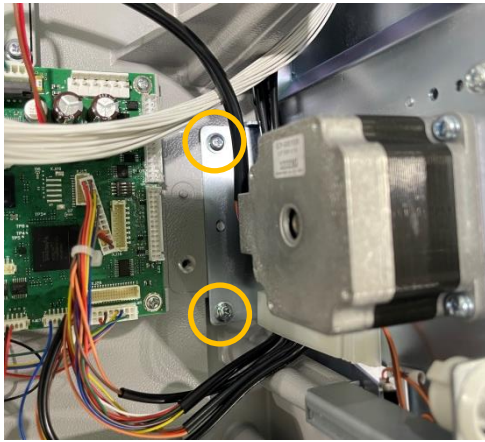
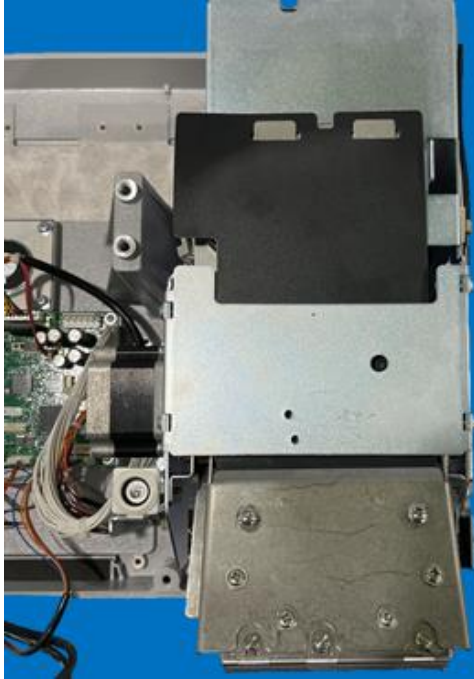
< POWER BOARD CONNECTOR INFORMATION >

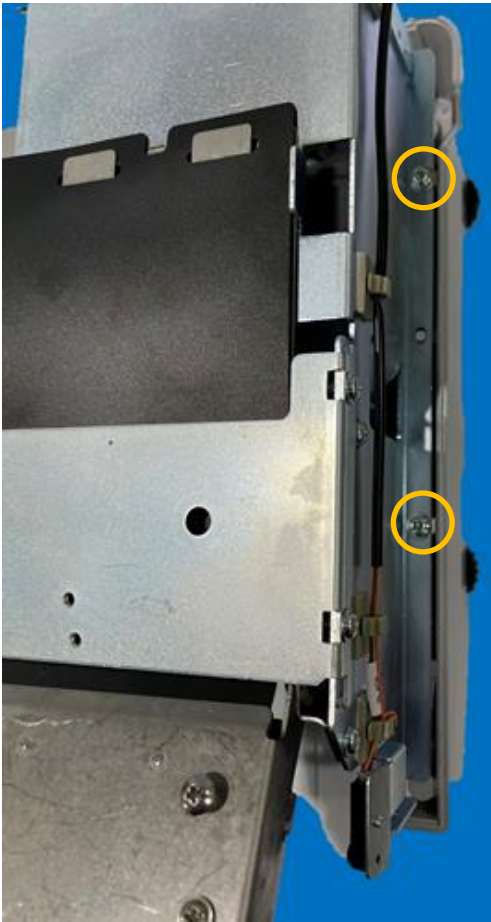


CON' NUMBER	DESTINATION
CN1	AC
CN2	MAIN PWB
CN3	UNUSED

4.1.7 PRINTER UNIT

1. Remove BRACKET REAR R and proceed.
2. Remove 6 screws.



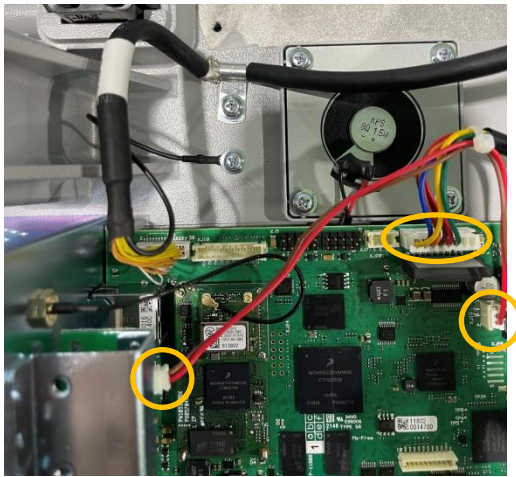


3. Unplug 2 connectors connected to MAIN BOARD

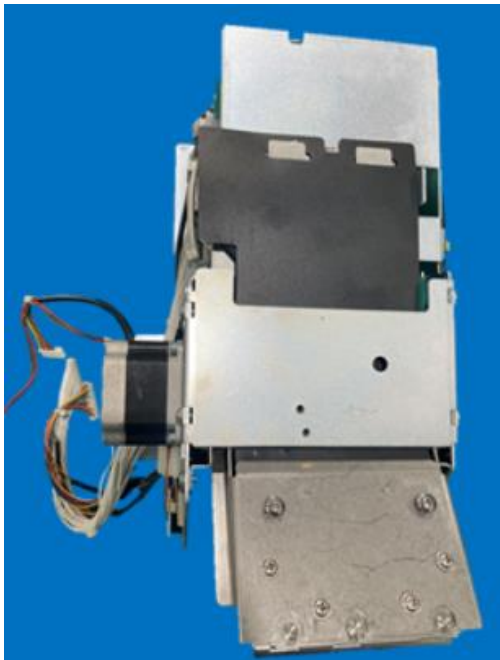


4. Remove stuck tape to connector connected to MAIN BOARD.





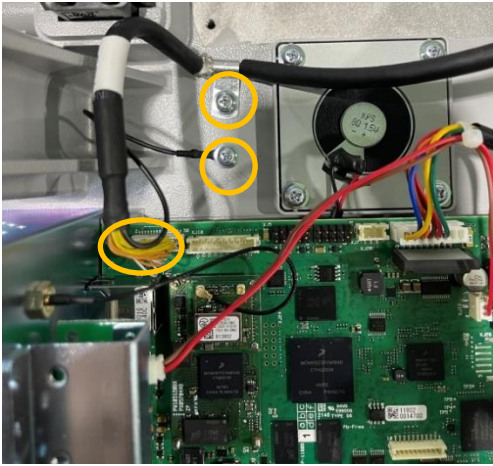
5. Unplug 3 connectors connected to MAIN BOARD & DRAWER PWB



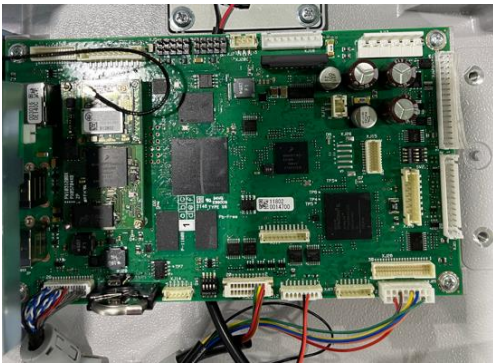
6. Detach PRINTER UNIT

※ Reverse this procedure for assembly.

4.1.8 MAIN BOARD



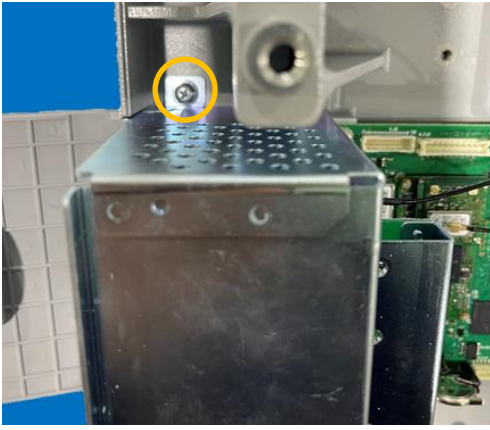
1. After removing 2 screws unplug connector connected MAIN BOARD



2. Unplug all connectors connected to MAIN BOARD



3. After removing 3 screws detach BRACKET CONNECTOR.



4. After removing 4 screws detach MAIN BOARD.

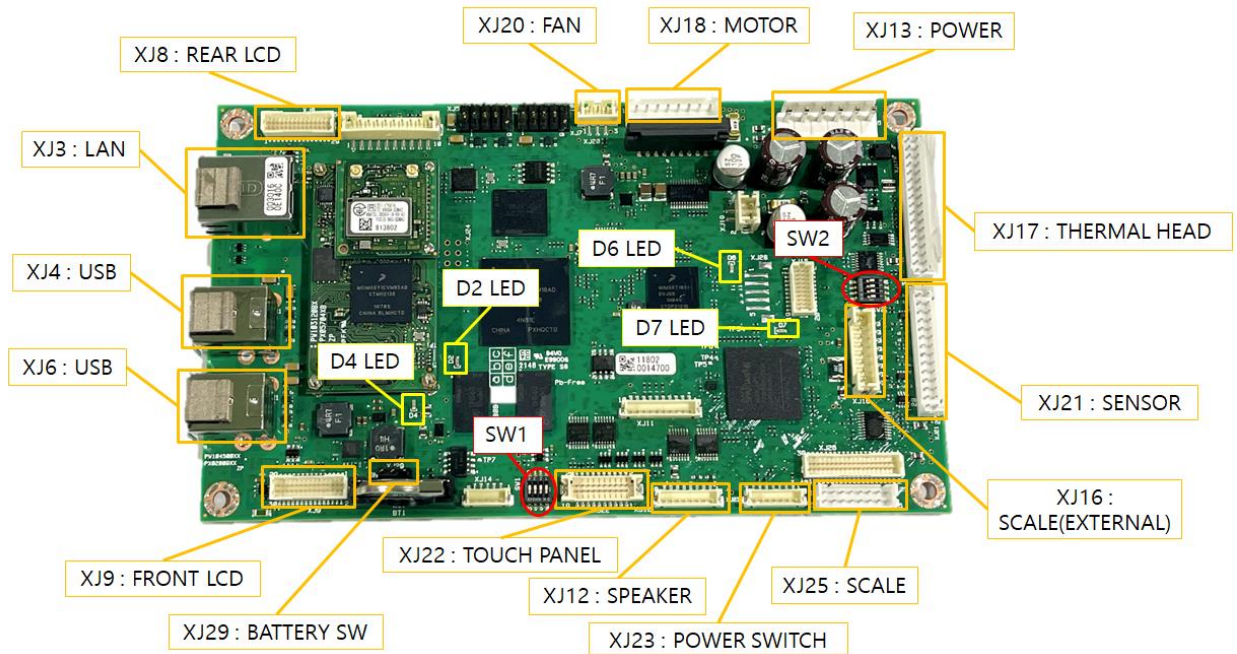


CAUTION

Be careful when separating WIFI MODULE from MAIN BOARD(P-1180). If the WIFI MODULE is replaced, recheck the wireless settings of the software.

※ Reverse this procedure for assembly.

< MAIN BOARD INFORMATION >



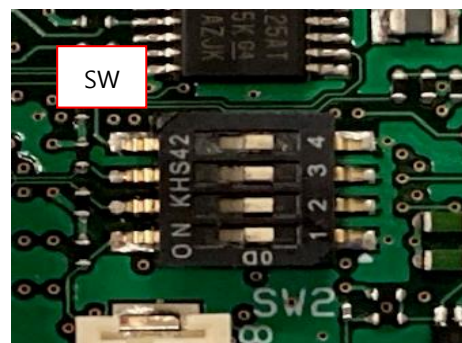
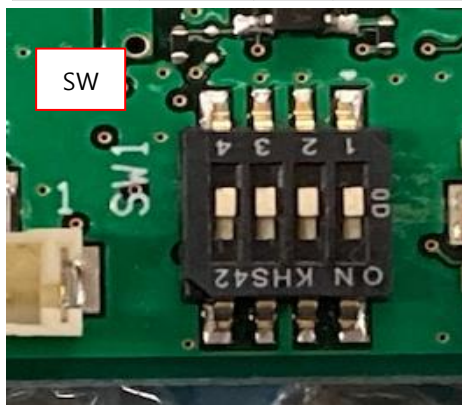
■ CONNECTOR FUNCTION

CON' NUMBER	DESTINATION
XJ1	WIFI MODULE
XJ2	UNUSED
XJ3	LAN
XJ4	USB
XJ5	UNUSED
XJ6	USB
XJ7	UNUSED
XJ8	LCD(REAR)
XJ9	LCD(FRONT)
XJ10	UNUSED
XJ11	UNUSED
XJ12	SPEAKER
XJ13	POWER
XJ14	UNUSED
XJ15	UNUSED
XJ16	SCALE(EXTERNAL)
XJ17	THERMAL HEAD
XJ18	STEPPING MOTOR
XJ19	DRAWER
XJ20	FAN
XJ21	CASSETTE SENSOR PEEL SENSOR LABEL SENSOR
XJ22	TOUCH PANEL
XJ23	POWER SWITCH
XJ24	UNUSED
XJ25	SCALE
XJ26	UNUSED
XJ27	-
XJ28	UNUSED
XJ29	BATTERY SWITCH

■ DIPSW

Please keep all DIP SWs in the OFF as shown in the table below.

SWITCH NUM'	DIP SW NUM'	SET-UP	Remarks
SW1	1	OFF	Always OFF
	2	OFF	Always OFF
	3	OFF	Always OFF
	4	OFF	Always OFF
SW2	1	OFF	Always OFF
	2	OFF	Always OFF
	3	OFF	Always OFF
	4	OFF	Always OFF



※ The picture above is SW OFF.

■ BATTERY

TYPE	ON/OFF	REPLACEMENT
SHORT PIN	Leftside ON	IMPOSSIBLE



※ BATTERY SWITCH

Viewed from the direction of the photo on the left, the left side is ON. (ON - silk side on board)
When the board is shipping by itself, it is set to OFF, so please change it to ON when installing.

※ Replacing the Battery

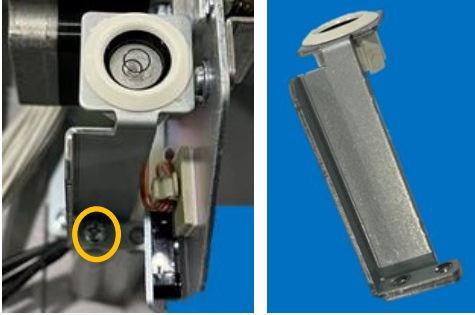
The battery is secured with a holder type, so it is removable, but **do not replace the battery.**

■ LED

LED	STATE	
D2	LIGHTING	PWB POWER is ON
D4	TURN OFF	LAN Port Output (TURN OFF : XJ3、LIGHTING : XJ1)
D6	BLINKING	Printer application is working.
D7	BLINKING	FPGA application is working.

4.1.9 ETC. (LEVEL UNIT, SPEAKER UNIT, INLET)

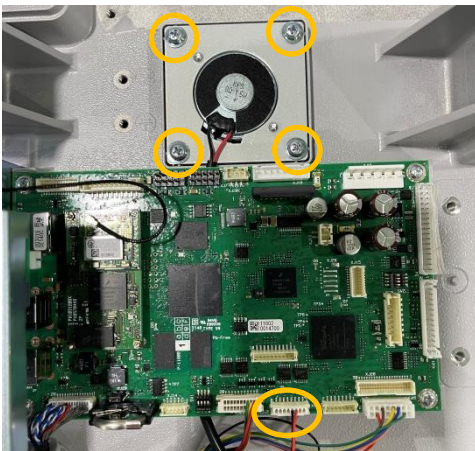
[LEVEL UNIT]



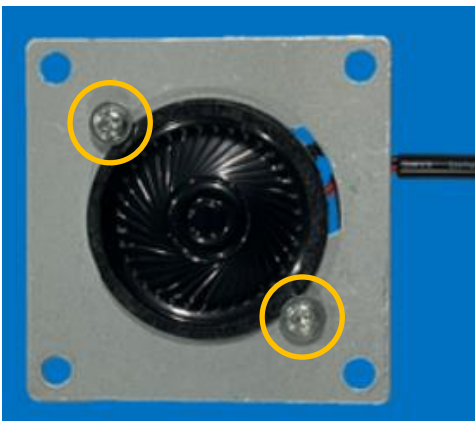
※ Reverse this procedure for assembly.

1. After removing a screw detach LEVEL UNIT.

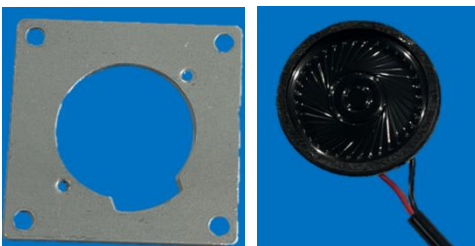
[SPEAKER UNIT]



2. Unplug connector connected MAIN BOARD.
3. After removing 4 screws detach SPEAKER UNIT.

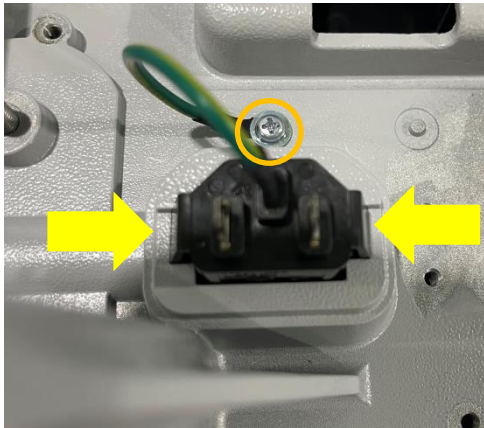


4. After removing 2 screws detach speaker.



※ Reverse this procedure for assembly.

[INLET]



1. Remove a screw.
2. Push in the direction of yellow arrows and push down.



※ Reverse this procedure for assembly.

4.2 How to fix Hanging type

Fig 1

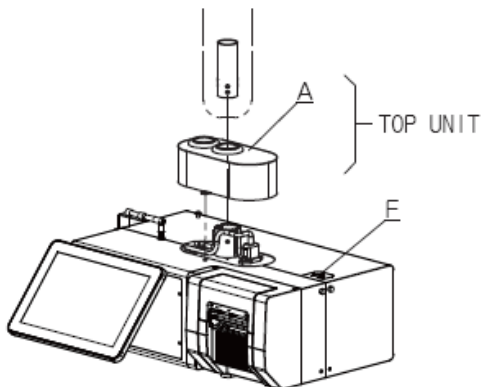


Fig 2

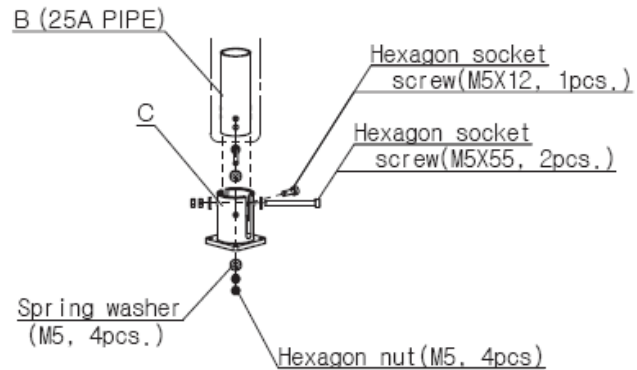


Fig 3

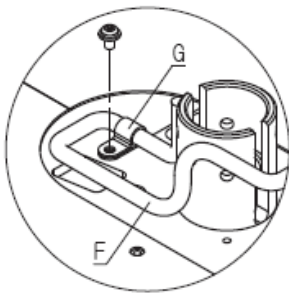
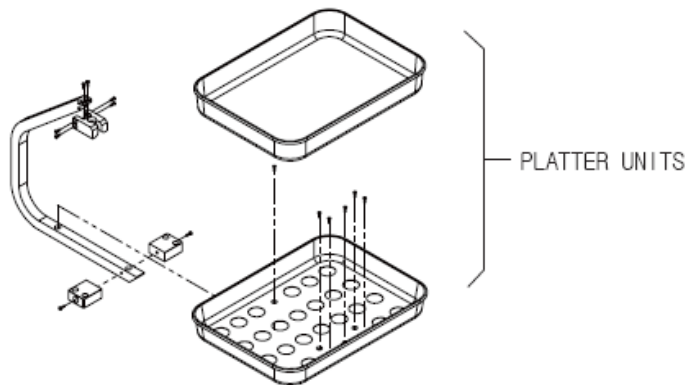


Fig 4



Method of fixing

1. Fastening plan for supporting plate(D).
Load applied to ceiling by scale and suspension on 150kgf.
2. Cut clearly a film in the center of rubber(A).
3. Thread the pipe(B) through the top unit and then Fasten it to housing(C) at main body as in fig2.
4. Fasten up the power cord(F) to the clamp(G) as shown in fig 3.
5. Refasten the top unit to main body.
6. Confirm the level's bubble(F) is located in the conter of circle.
Otherwise, Align the level's bubbel with supporting plate(D).
7. This product doesn't include the pipe(B), supporting plate(D) and housing(E).
8. The assembly of the platter units as shown in fig 4.

4.3 Hanging type disassembly



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

4.3.1 CASE REAR & CUSTOMER DISPLAY

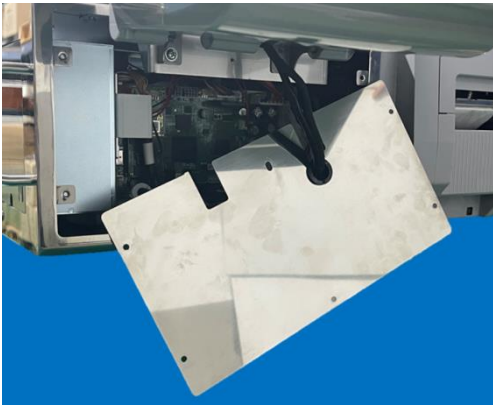


1. Remove 7 screws
2. Detach ANTENNA & BRACKET CLAMP ANTENNA.

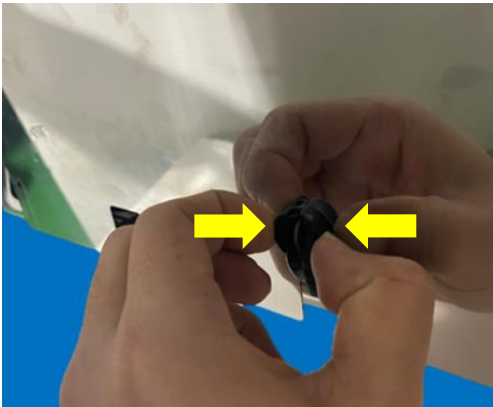


3. Remove 6 screws securing COVER CASE FRONT.





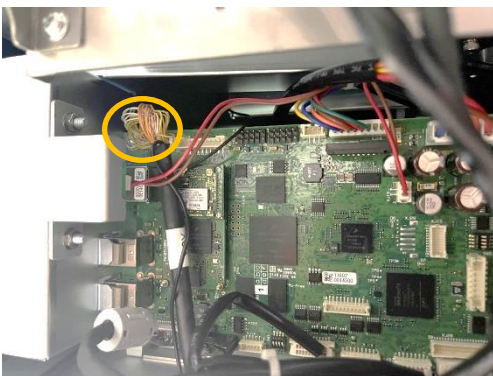
4. Detach COVER CASE FRONT.



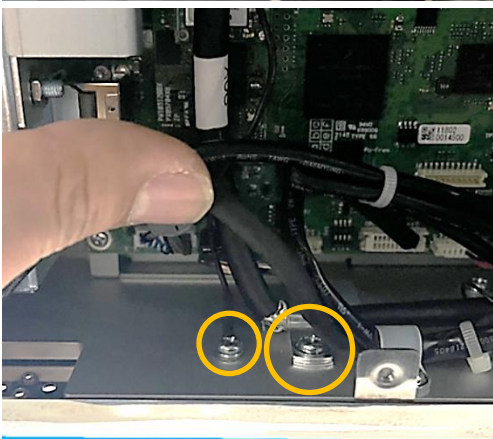
5. Push ACCESSORY BUSH in the direction of yellow arrows and pull out.



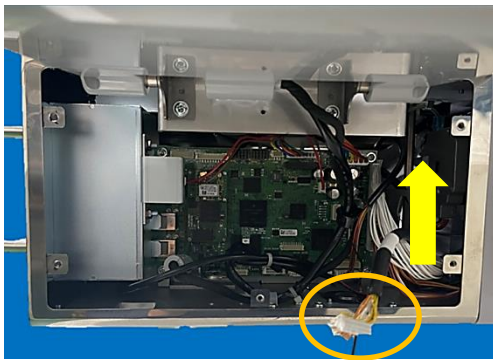
6. Disassemble COVER CASE FRONT



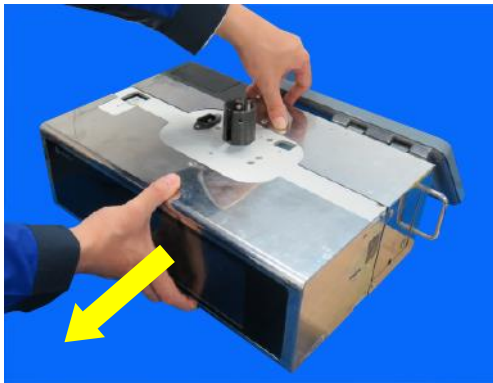
7. Unplug connector connected MAIN BOARD.



8. Remove 2 screws.



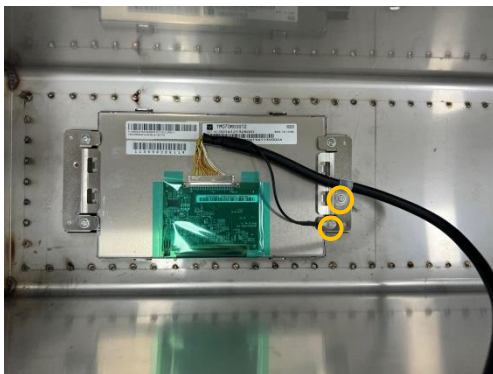
9. Position the customer panel liquid crystal harness as shown in the photo so that it can move in the direction of the yellow arrow.



10. Detach CASE REAR slowly.



The front cover and the main unit are connected with a connector cable of the display. Be careful to detach the front cover.



11. Remove the screws assembled to the CASE REAR.



12. Remove stuck tape to harness plug of the customer panel liquid crystal.



13. Remove 3 screws.

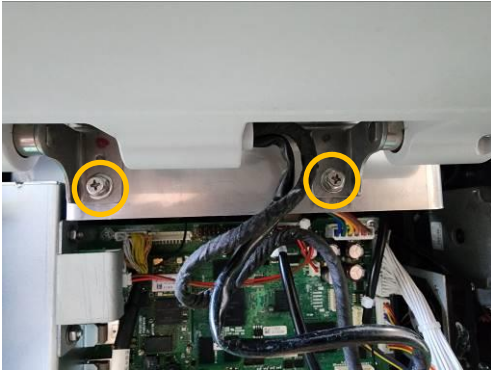
14. Detach CUSTOMER DISPLAY.



※ Reverse this procedure for assembly.

4.3.2 CONTROL UNIT

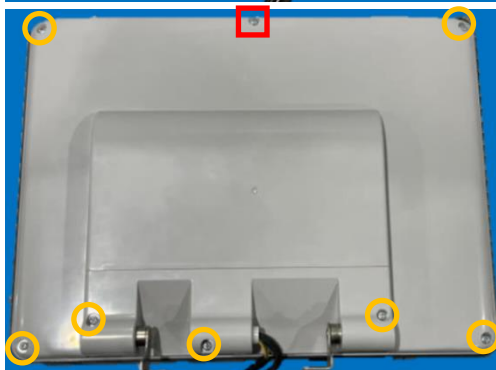
1. Disassemble COVER CASE FRONT.
2. Remove the 2 screws securing each hinge.



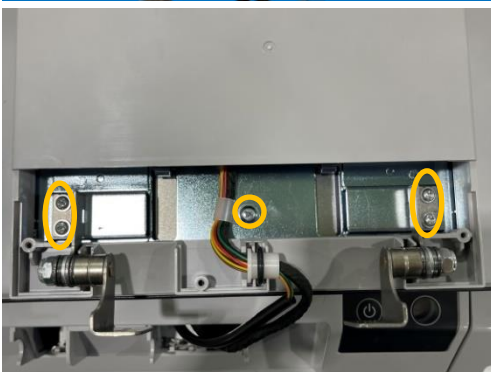
3. (10.1 inch control) Remove 8 screws.
 - 1 bind screws M3x10
 - 7 round washer head screw M3x8

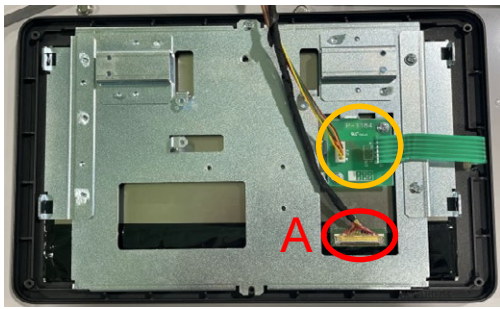


4. (12.1 inch control) Remove 8 screws.
 - 1 bind screws M3x10
 - 7 round washer head screw M3x8

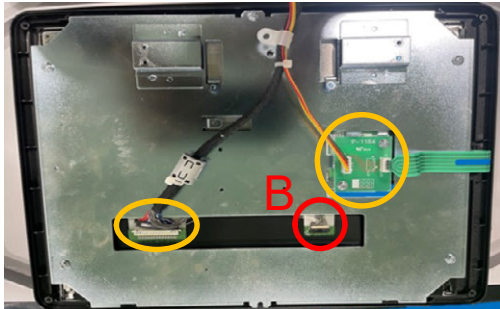


5. Remove 5 screws.





6. (10.1 inch control) Unplug connectors and plug.



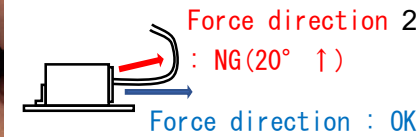
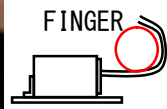
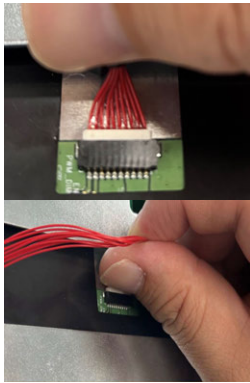
7. (12.1 inch control) Unplug connectors.

[CAUTION]

The wires of the 'A' and 'B' harness are very thin (AWG32#).

Therefore, please be careful when disconnecting as they may break.

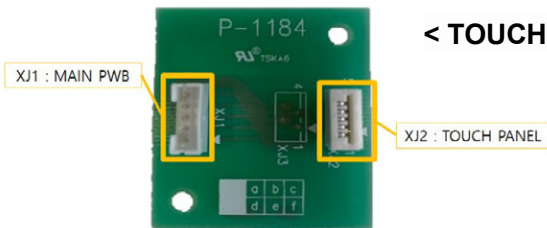
※ Reverse this procedure for assembly.



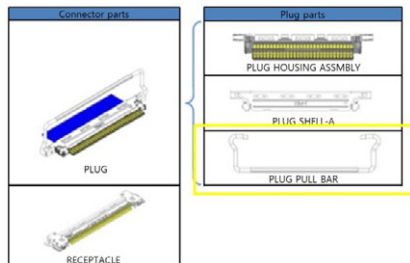
CONNECTOR REMOVAL METHOD AND PRECAUTIONS

- Do not lift up more than 20 degrees.
 - Do not tilt to the side more than 20 degrees.
1. Grasp the wires with your fingers as shown in the photo.
 2. Pull the wires horizontally.

< TOUCH PANEL REPEATER PWB CONNECTOR INFORMATION >



CON' NUMBER	DESTINATION
XJ1	MAIN PWB
XJ2	TOUCH PANEL



CAUTION

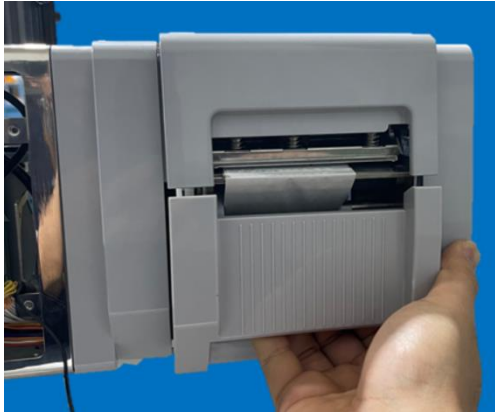
Please don't use 'PLUG PULL-BAR' for insertion of connector.

Check the description of [Un-Mating] & [Inserting]

[Un-Mating] Release the 'PLUG PULL-BAR' lock from the PCB side connector and turn up 'PLUG PULL-BAR' to horizontal. Then, Remove the cable.

[Inserting] Push both ends of cable side connector horizontally. After mated, push 'PLUG PULL-BAR' to PCB side and lock it to 'SHELL' of the PCB side connector.

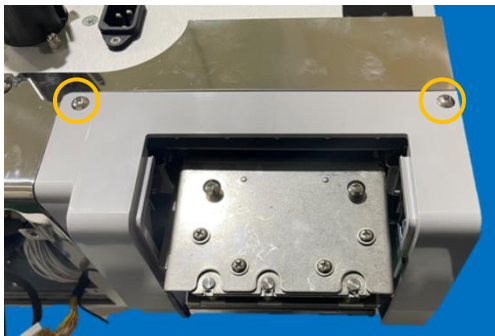
4.3.3 FRONT COVER



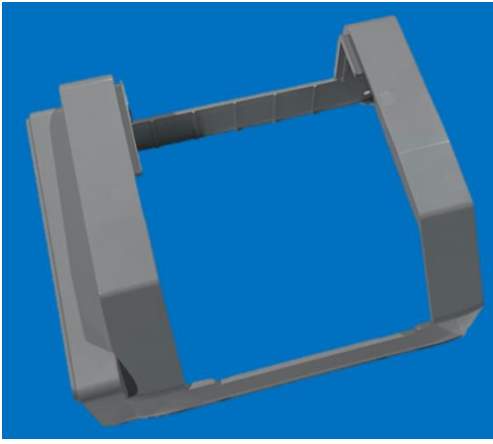
1. Disassemble CONTORL UNIT.
2. Put your fingers in cassette unit and pull out.



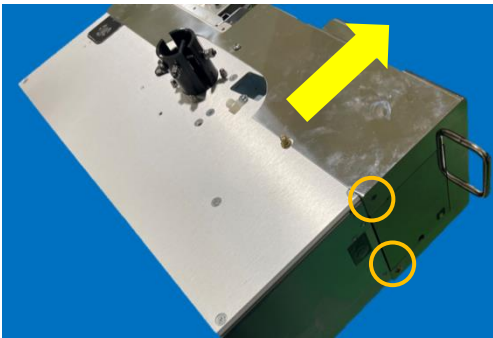
3. Remove COVER PRINTER by pushing it in the direction of the arrow.



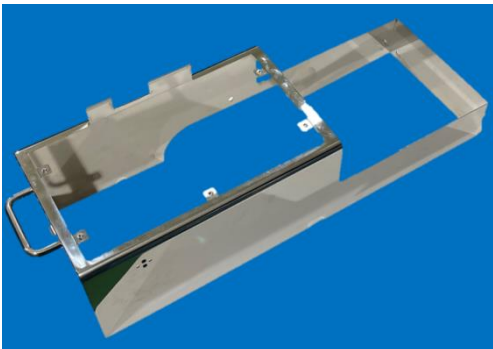
4. After removing 2 screws detach CASE PRINTER.



5. Remove 4 screws.



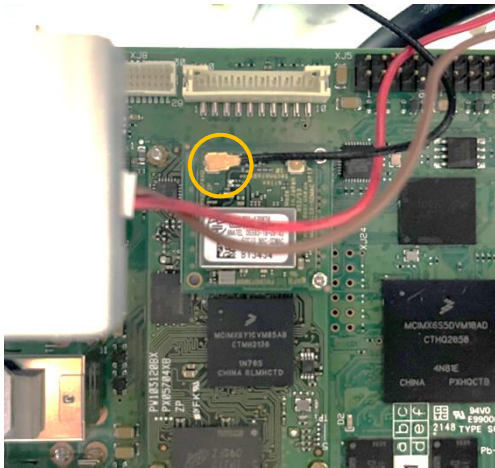
6. After removing the screws detach CASE FRONT slowly.



※ Reverse this procedure for assembly.

4.3.4 Top plate

1. Detach FRONT and REAR COVERS.
2. Unplug ANTENA PLUG.



3. Remove 5 screws.



4. Remove 3 screws.

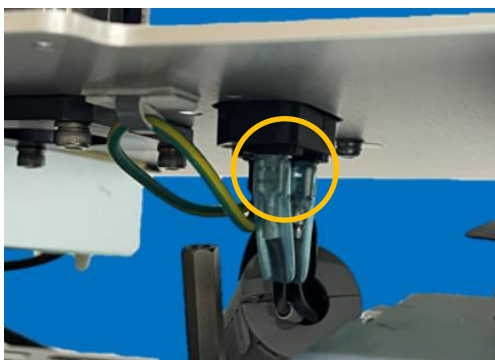


CAUTION

AD BOARD UNIT attached to the top plate makes noise when it drops. That's why hold AD BOARD UNIT as shown in the photo and remove the screws



5. Unplug 2 connectors connected to INLET.





6. Remove a screw.

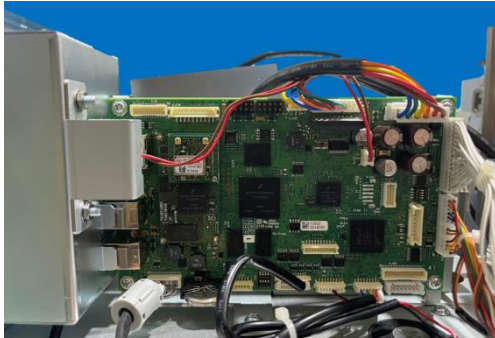


7. Detach TOP PLATE.

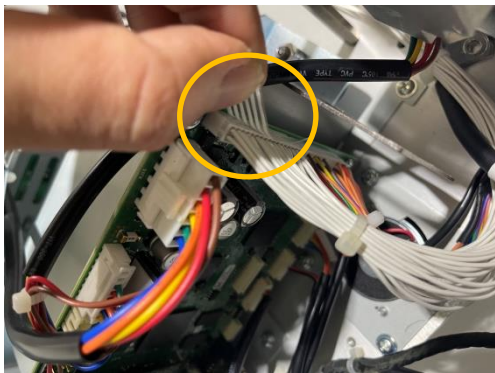
※ Reverse this procedure for assembly.

4.3.5 Main board

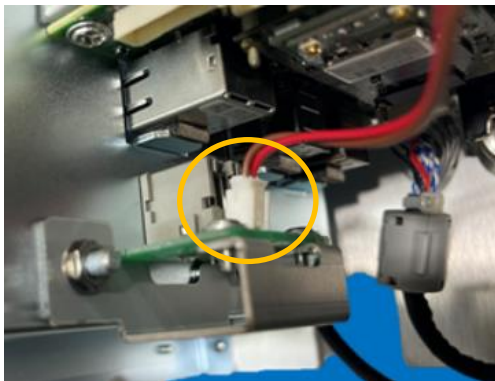
1. Detach FRONT COVER, REAR COVER and TOP PLATE.
2. All unplug the connectors connected to MAIN BOARD.



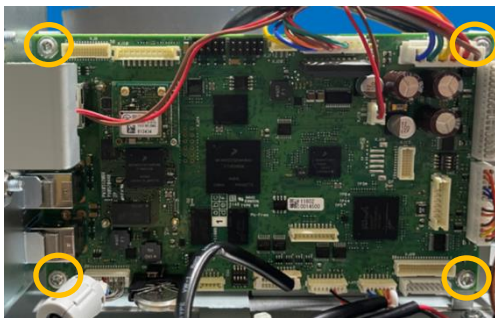
3. Remove stuck tape to connector connected to MAIN BOARD.



4. Unplug connectors connected to DRAWER PWB



5. Remove 4 screws.



6. Detach MAIN BOARD.

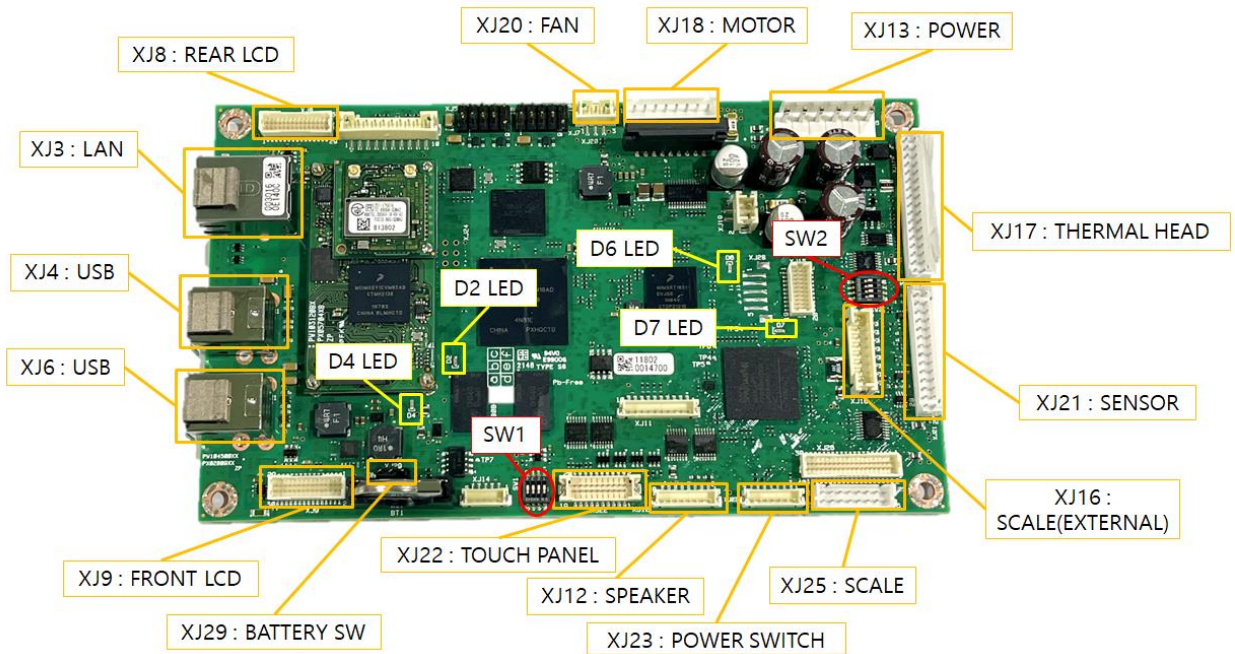


CAUTION

Be careful when separating WIFI ODULE from MAIN BOARD(P-1180). If the WIFI MODULE is replaced, recheck the wireless settings of the software.

※ Reverse this procedure for assembly.

< MAIN BOARD INFORMATION >



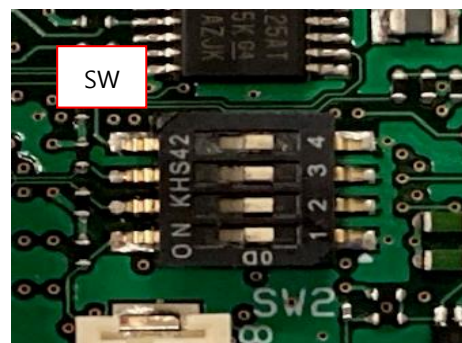
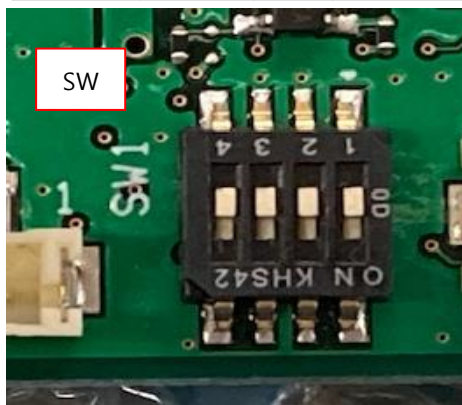
■ CONNECTOR FUNCTION

CON' NUMBER	DESTINATION
XJ1	WIFI MODULE
XJ2	UNUSED
XJ3	LAN
XJ4	USB
XJ5	UNUSED
XJ6	USB
XJ7	UNUSED
XJ8	LCD(REAR)
XJ9	LCD(FRONT)
XJ10	UNUSED
XJ11	UNUSED
XJ12	SPEAKER
XJ13	POWER
XJ14	UNUSED
XJ15	UNUSED
XJ16	SCALE(EXTERNAL)
XJ17	THERMAL HEAD
XJ18	STEPPING MOTOR
XJ19	DRAWER
XJ20	FAN
XJ21	CASSETTE SENSOR PEEL SENSOR LABEL SENSOR
XJ22	TOUCH PANEL
XJ23	POWER SWITCH
XJ24	UNUSED
XJ25	SCALE
XJ26	UNUSED
XJ27	-
XJ28	UNUSED
XJ29	BATTERY SWITCH

■ DIPSW

Please keep all DIP SWs in the OFF as shown in the table below.

SWITCH NUM'	DIP SW NUM'	SET-UP	Remarks
SW1	1	OFF	Always OFF
	2	OFF	Always OFF
	3	OFF	Always OFF
	4	OFF	Always OFF
SW2	1	OFF	Always OFF
	2	OFF	Always OFF
	3	OFF	Always OFF
	4	OFF	Always OFF



※ The picture above is SW OFF.

■ BATTERY

TYPE	ON/OFF	REPLACEMENT
SHORT PIN	Leftside ON	IMPOSSIBLE



※ BATTERY SWITCH

Viewed from the direction of the photo on the left, the left side is ON. (ON - silk side on board)
When the board is shipping by itself, it is set to OFF, so please change it to ON when installing.

※ Replacing the Battery

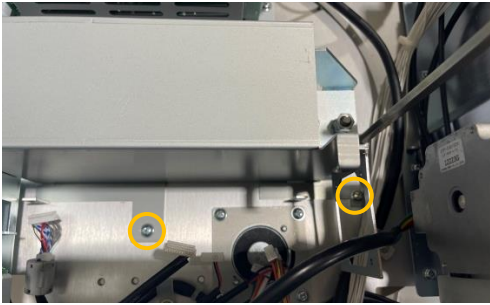
The battery is secured with a holder type, so it is removable, but **do not replace the battery.**

■ LED

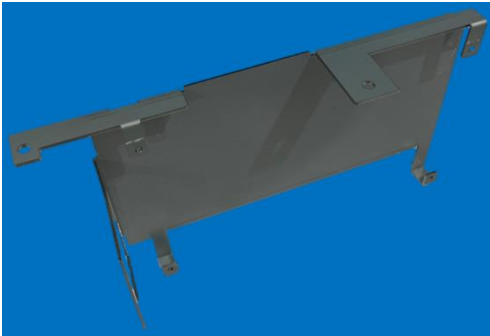
LED	STATE	
D2	LIGHTING	PWB POWER is ON
D4	TURN OFF	LAN Port Output (TURN OFF : XJ3、LIGHTING : XJ1)
D6	BLINKING	Printer application is working.
D7	BLINKING	FPGA application is working.

4.3.6 Load cell

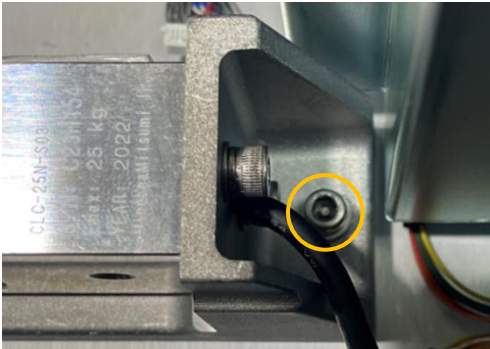
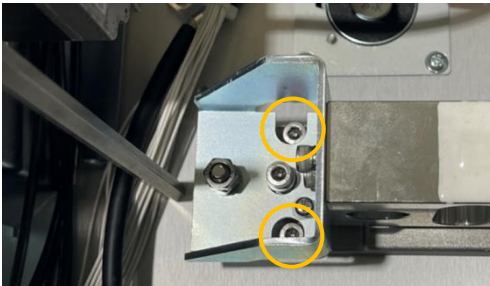
1. Detach FRONT COVER, REAR COVER and TOP PLATE.
2. Remove 2 screws.



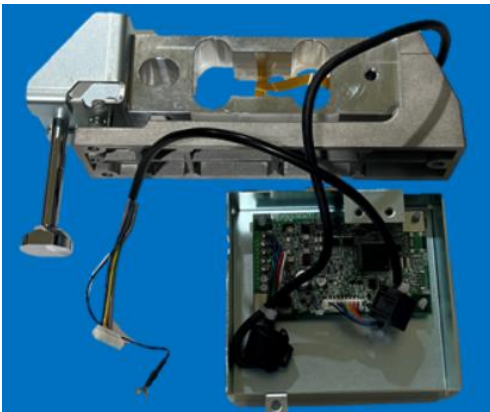
3. Detach BRACKET MAIN BOARD.



4. Remove 3 hex wrench screws.

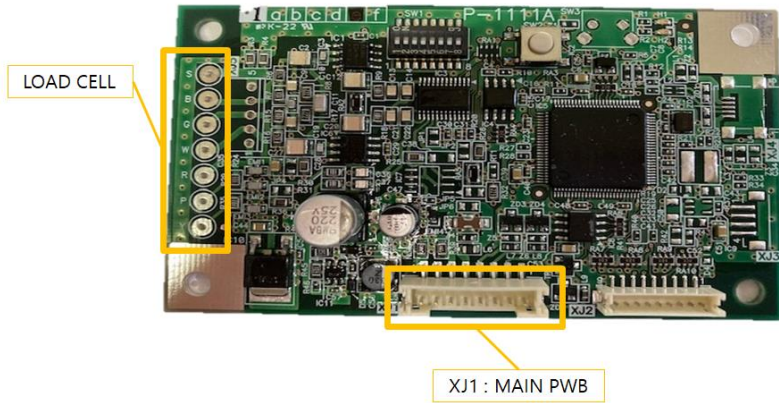


5. Detach LOAD CELL UNIT.



※ Reverse this procedure for assembly.

< AD BOARD CONNECTOR INFORMATION >



CON' NUMBER	DESTINATION
XJ1	MAIN PWB
XJ2	UNUSED
XJ3	UNUSED
XJ4	UNUSED
XJ5	UNUSED

4.3.7 Power board

1. Detach FRONT COVER, REAR COVER and TOP PLATE.
2. Unplug the connector connected to POWER BOARD.



3. Remove 4 screws.



4. Detach POWER BOARD.



※ Reverse this procedure for assembly.

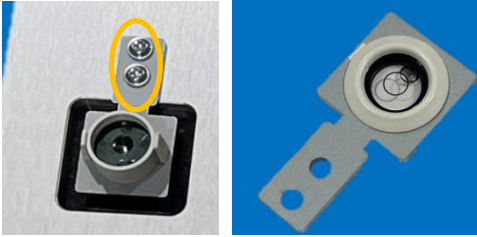
< POWER BOARD CONNECTOR INFORMATION >



CON' NUMBER	DESTINATION
CN1	AC
CN2	MAIN PWB
CN3	UNUSED

4.3.8 ETC. (LEVEL UNIT, SPEAKER UNIT, INLET)

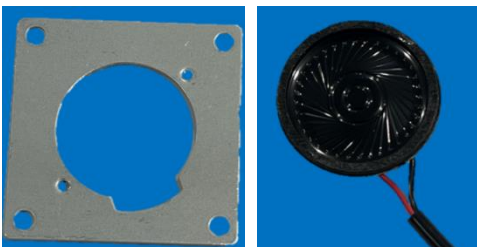
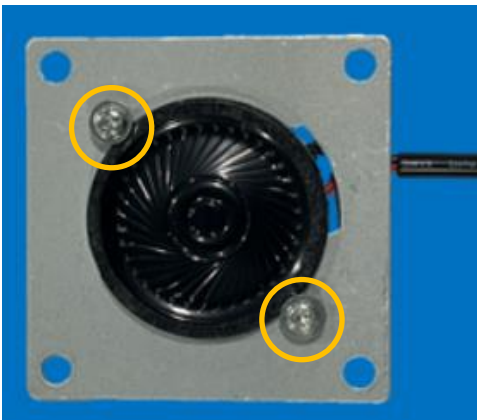
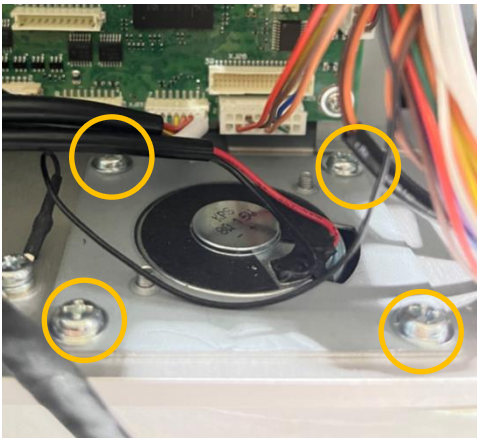
[LEVEL UNIT]



※ Reverse this procedure for assembly.

1. Remove 2 screws securing TOP PLATE
2. Detach LEVEL UNIT.

[SPEAKER UNIT]



※ Reverse this procedure for assembly.

1. Unplug connector connected MAIN BOARD.
2. Remove 2 screws securing BOTTOM PLATE

3. Detach SPEAKER UNIT.

- 4.

[INLET]



1. Remove 2 screws securing TOP PLATE



2. Detach INLET

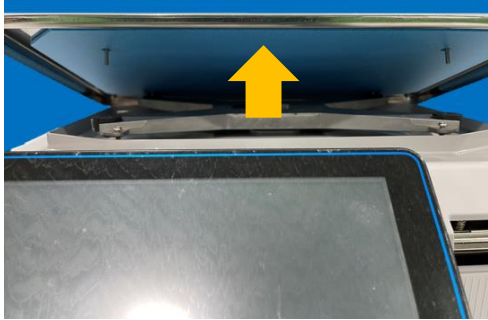
※ Reverse this procedure for assembly.

4.4 CASSETTE & PRINTER COMPONENTS

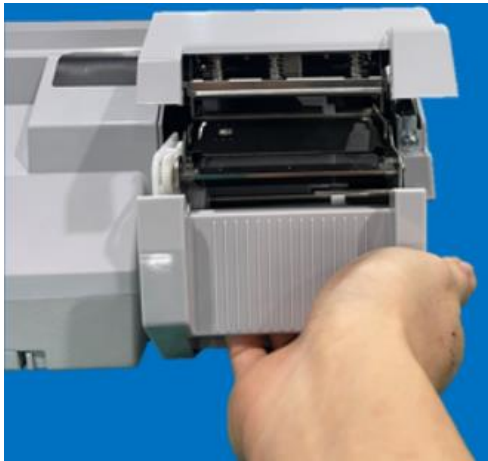


CAUTION Make sure to unplug the power cord from the wall outlet before starting the disassembly work.

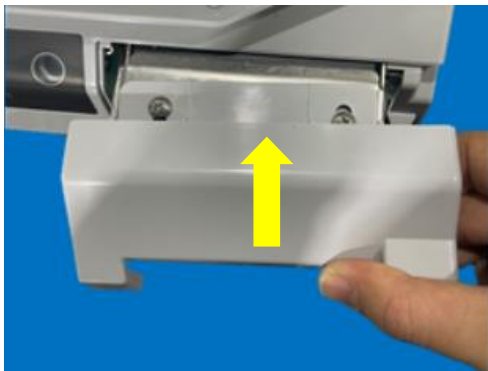
4.4.1 Thermal head



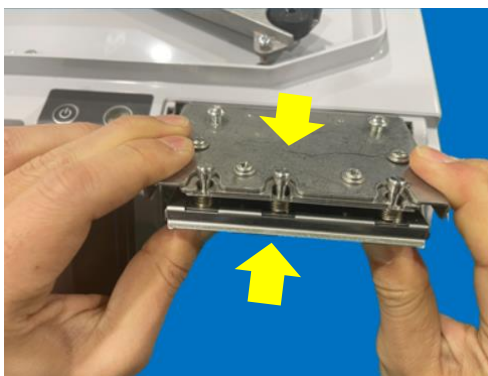
1. Detach the PLATTER.



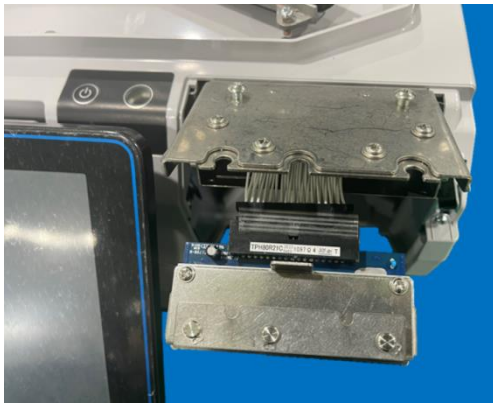
2. Put your fingers in CASSETTE UNIT and pull out.



3. Remove the COVER PRINTER by pushing it in the direction of the arrow.



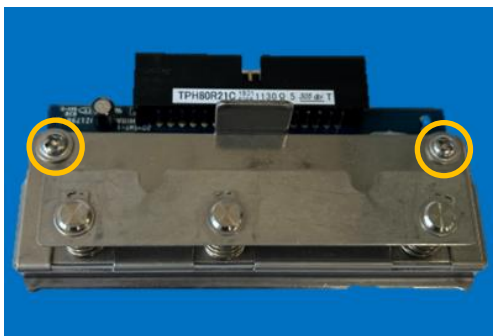
4. Squeeze the thermal head section with both hands to release the fixation and pick out.



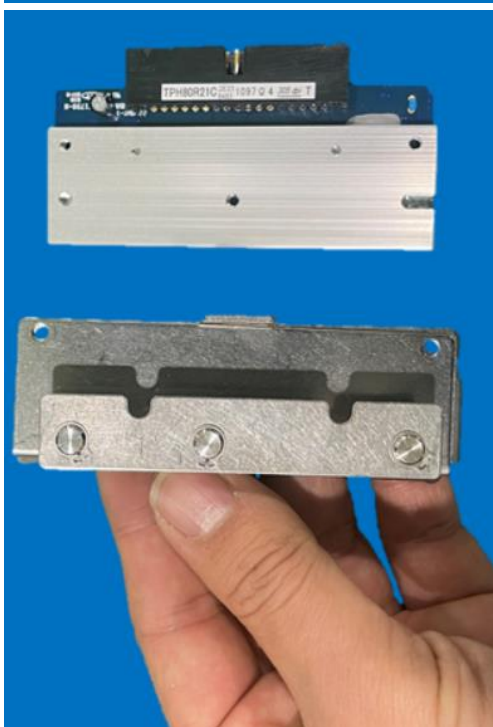
5. Pull the thermal head section to remove.



6. Remove stuck tape to connector of the thermal head section.



7. Remove 2 screws.

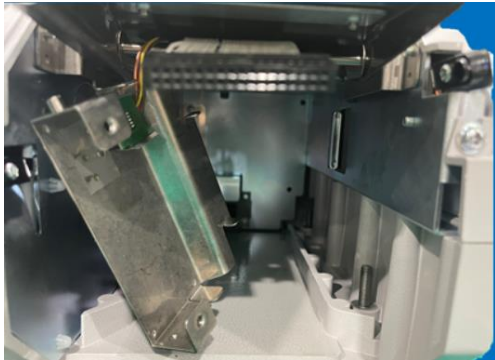
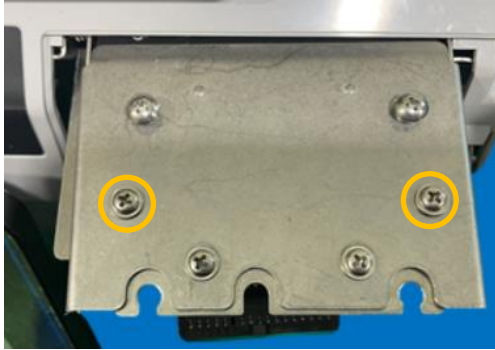


8. Detach the thermal head section.

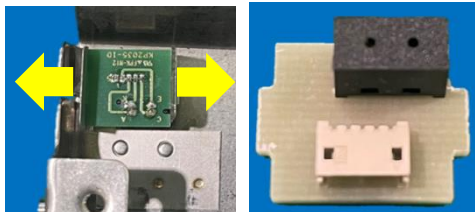
※ Reverse this procedure for assembly.

4.4.2 LABEL SENSOR

1. After proceeding to the thermal head disassembly procedure No.6, proceed to the next procedure.
2. Remove 2 screws.



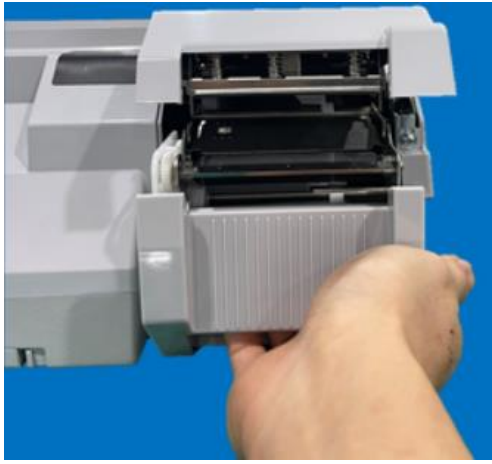
3. Unplug a connector connected to LABEL SENSOR PWB.



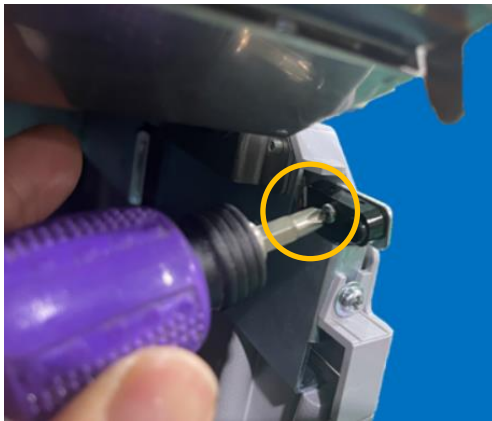
4. Spread bracket in the direction of yellow arrows slightly and take out LABEL SENSOR PWB.

※ Reverse this procedure for assembly.

4.4.3 PEEL SENSOR



1. Put your fingers in CASSETTE UNIT and pull out.



2. Remove a screw



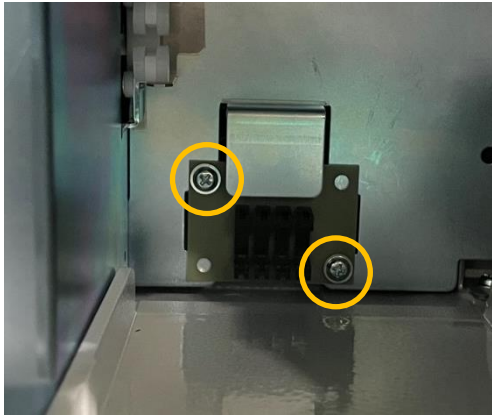
3. Detach PEEL SENSOR.



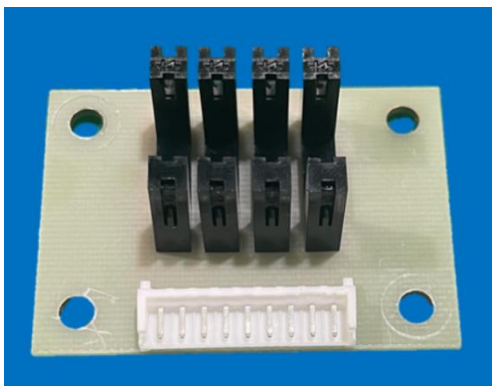
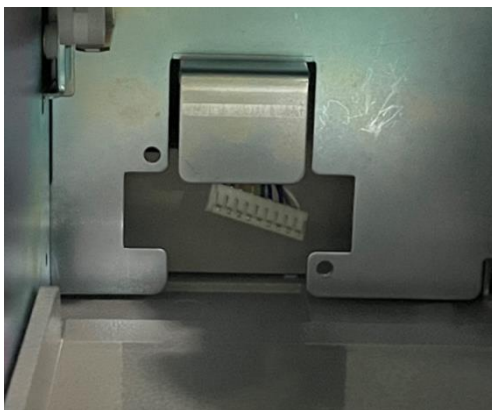
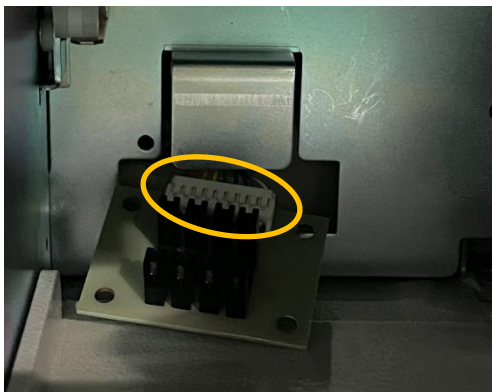
※ Reverse this procedure for assembly.

4.4.4 CASSETTE SENSOR

1. Detach CASSETTE UNIT.
2. Remove 2 screws.



3. Unplug a connector connected to CASSETTE SENSOR PWB.



※ Reverse this procedure for assembly.

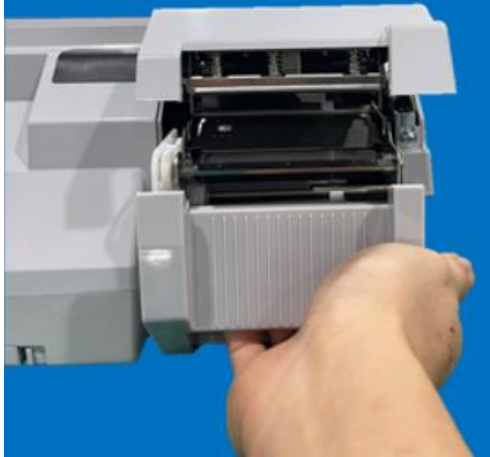
4.5 POSITIONING OF THERMAL HEAD

1. Preparation for positioning the head.

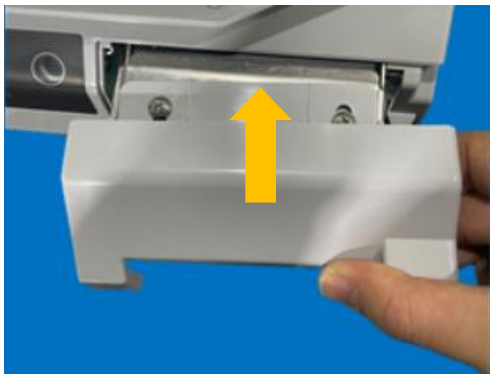
Confirm that the label cassette is in the appropriate condition.

- Adjust the space to be “+0.2 to 1.0mm” between the guide lever and the label width.
- Adjust the space to be “+0.1 to 0.4mm” between the guide and the label backing paper.

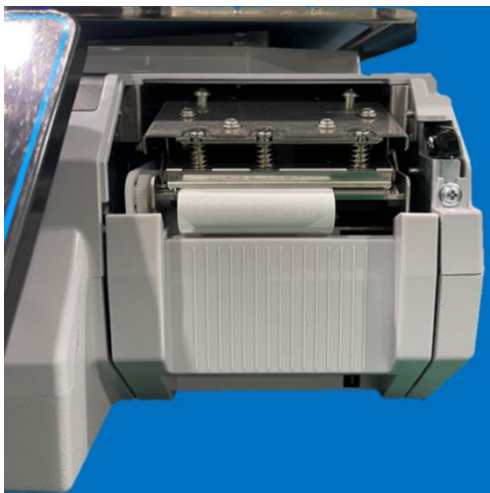
Narrower space is preferable. However, note not entering the state that the backing paper is caught between the lever, the guide, and the cassette.



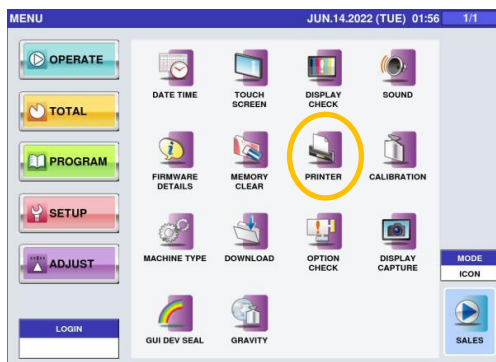
2. Put your fingers in cassette unit and pull out.



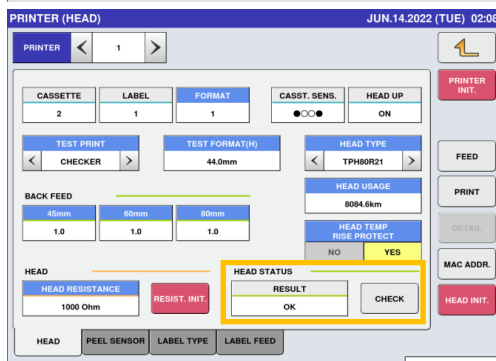
3. Remove the COVER PRINTER by pushing it in the direction of the arrow.



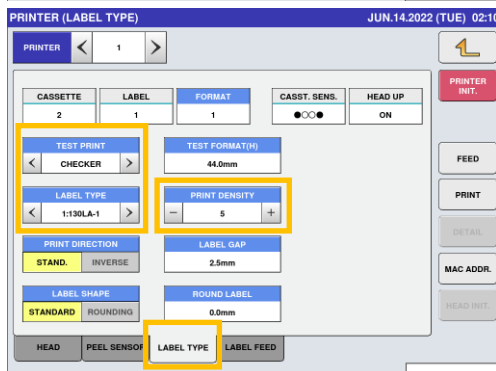
4. Load CASSETTE UNIT that put the label properly to the main body.



5. Select the Printer Adjustment screen.



6. Check the head status resistance.

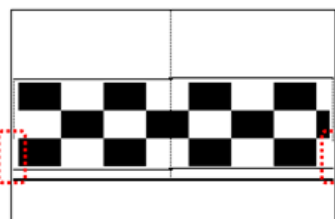


7. Touch [LABEL TYPE] key to set the label information

- TEST PRINT : CHECHER
- LABEL TYPE : 130LA-1
- PRINT DENSITY : 0

8. Touch [FEED] key several times to feed the label.

9. After pressing [PRINT] Check that there is no misalignment at the right or left and no irregular printing on the label.



10. Perform the following procedures when the print adjustment is necessary.

< How to adjust the standard position >

a. Loosen the fixing screws ((1) in the figure), and adjust the front end of the printer bracket comes to the same end of the thermal head stay. Then, lightly tighten the screws. Try to perform test printing to decide the appropriate position.

b. If printing is too light over the label.

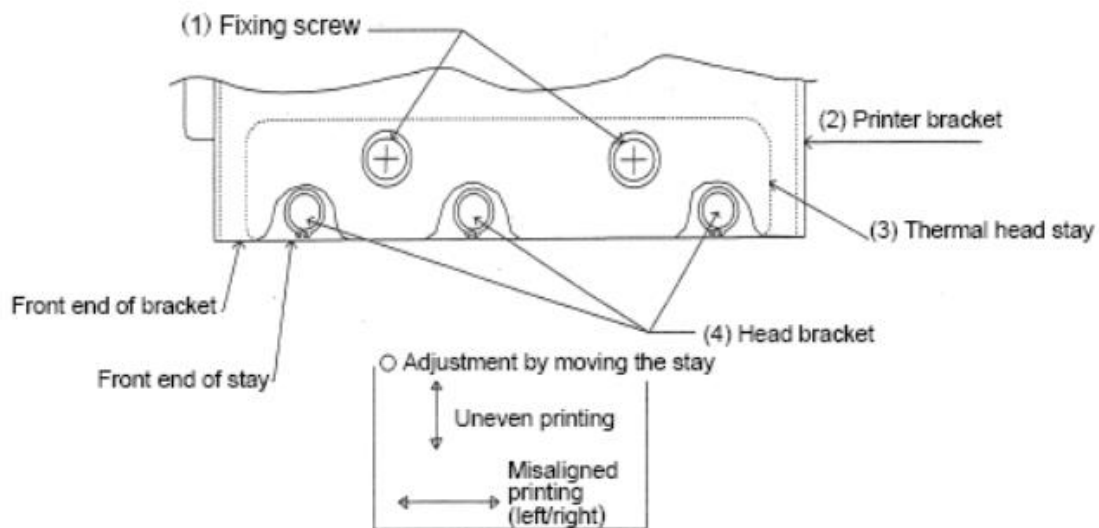
The cause can be assumed that the center line of the heating element of the thermal head and the center line of the print roller are misaligned to the front or back in parallel. Therefore, move the fixing screws ((1) in the figure), to the front or back and decide the positions so that the printing gets deeper.

c. If the printing density is different at the left and the right.

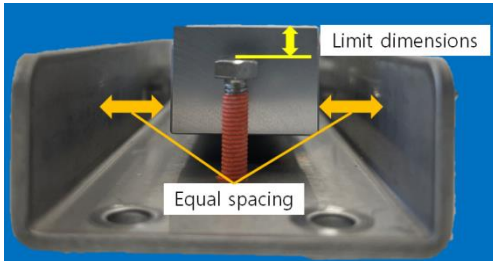
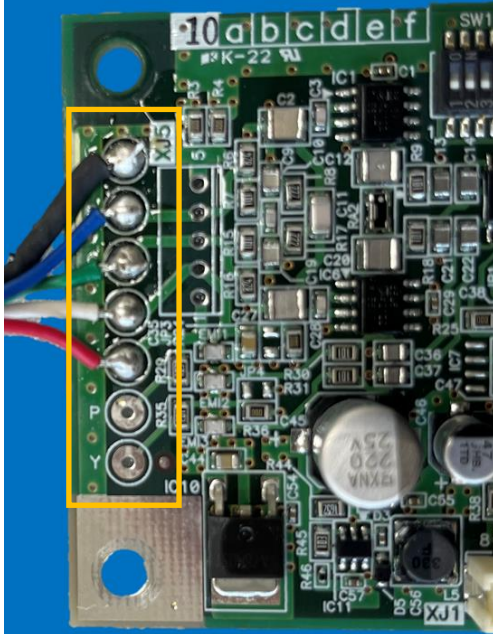
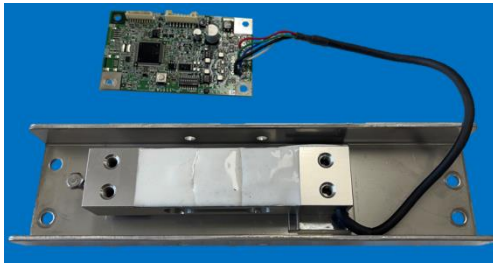
The cause of the lighter part can be assumed that the thermal head is misaligned to the front or back for the center line of the print roller. Therefore, loosen the fixing screws ((1) in the figure) and move them so that the left and right of the thermal head comes in parallel (both center lines are overlapped viewing from the above) to the center line of the print roller, then tighten the screws.

d. If the print position is misaligned left or right.

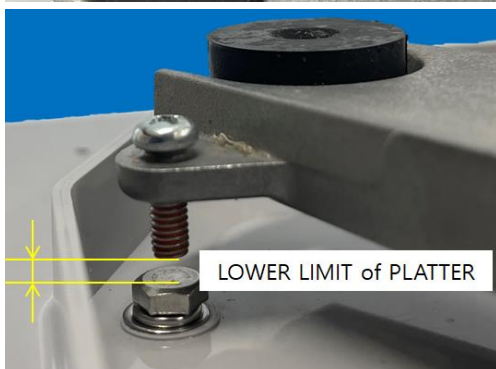
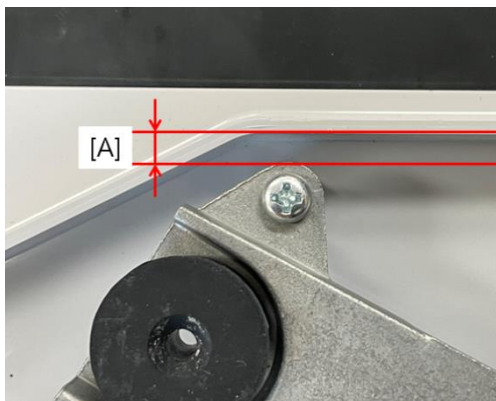
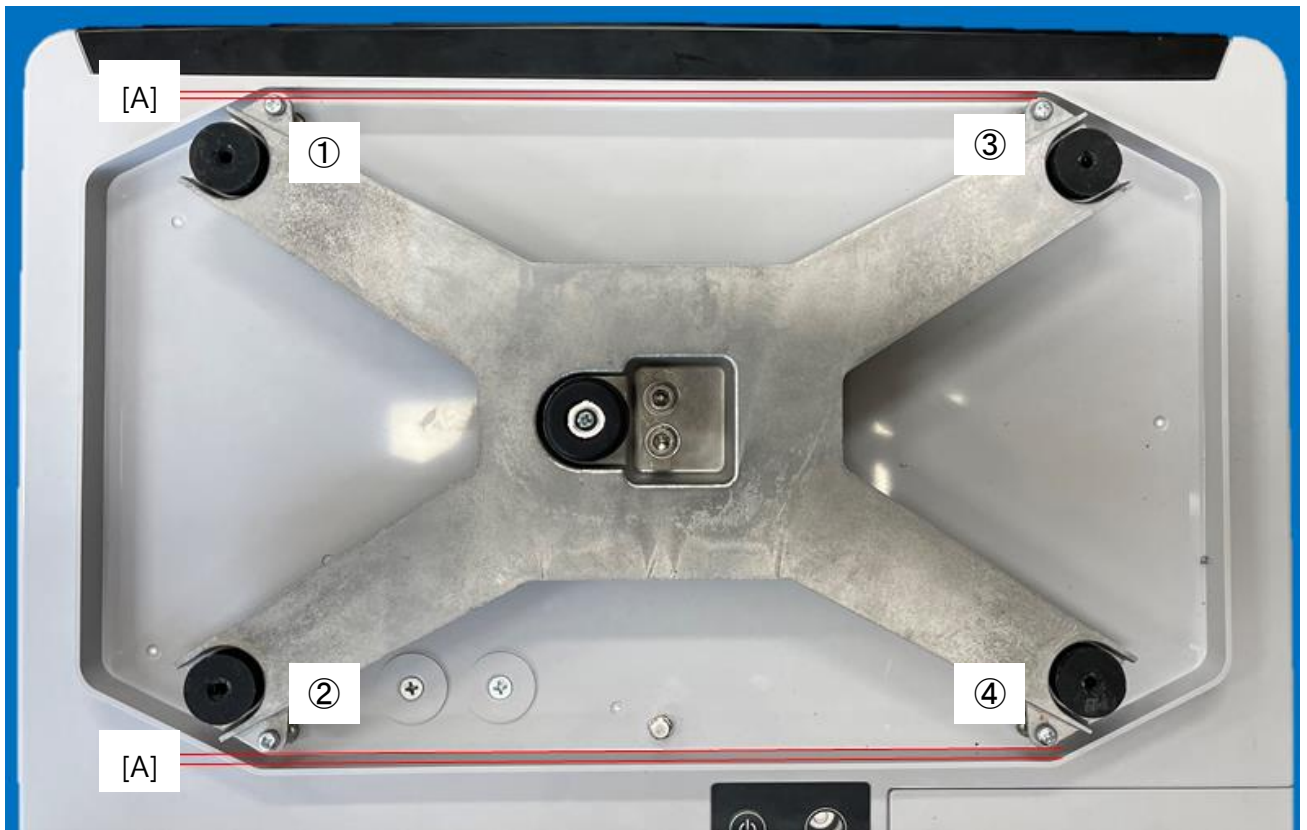
Loosen the fixing screws ((1) in the figure), and move the thermal head position in the reverse direction while keeping the above mentioned center lines in parallel, then tighten the screws.



4.6 LOAD CELL Replacement

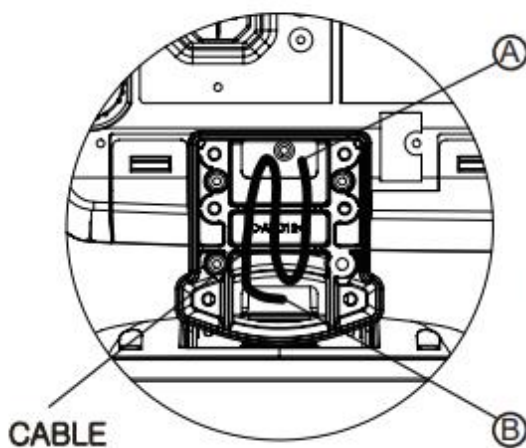
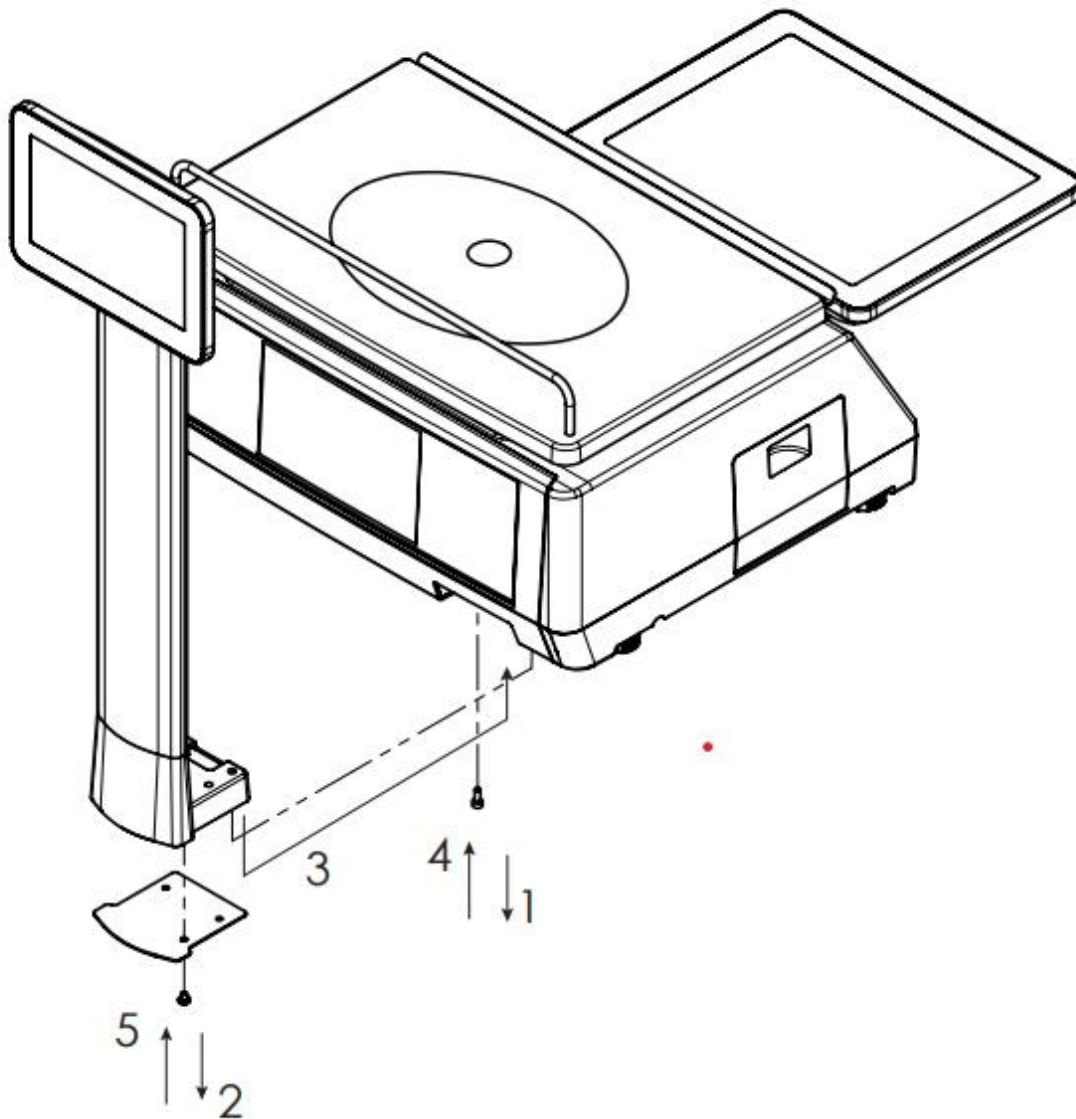


1. Disassemble LOAD CELL UNIT by referring to [\[3.1.5\] LOAD CELL & AD BOARD](#) of manual recorded above.
2. Remove solder from AD BOARD and remove wire. After replacing LOAD CELL, solder and connect it. The soldering procedure is as follows referring to silk printing.
 - ① S : SHIELD
 - ② B : BLUE
 - ③ G : GREEN
 - ④ W : WHITE
 - ⑤ R : RED
3. When assemble LOAD CELL, must be centered at equal spacing.
4. LOAD CELL LIMITS will adjust the LIMIT DIMENSIONS to **1.0mm** when replacing the BRACKET LOAD CELL or LIMITS M5*25 BOLT.



5. [A] is gap between the rib of CASE MAIN UPPER and the end of PLATTER SUPPORT.
When assemble PLATTER SUPPORT, must be assembled the [A] shown in the photo at equal spacing.
6. LOWER LIMIT of PLATTER is gap between the hex bolt of CASE MAIN UPPER and the screw of SUPPORT PLATTER.
Adjust the LOWER LIMIT OF PLATTER as follows.
 - ① Upper left : 2.0mm
 - ② Lower left : 2.0mm
 - ③ Upper right : 3.0mm
 - ④ Lower right : 3.0mm
7. After completing the LOAD CELL replacement, proceed with CALIBRATION.
Reference [5.9 CALIBRATION] for CALIBRATION.

4.7 How to assemble POLE



CAUTION To avoid weight errors, please arrange the cables in order.

1. Pull the cable out of point (A) on the scale.
2. Roll the cable on the POLE pedestal (B) and put it in the space at the bottom.

4.8 Pole type disassembly

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

4.8.1 POLE UNIT



1. Remove 3 screws of the POLE UNIT LOWER.



2. Detach the PLATE BRACKET POLE



3. Remove 4 hex wrench screws



4. Detach the POLE UNIT

※ Reverse this procedure for assembly

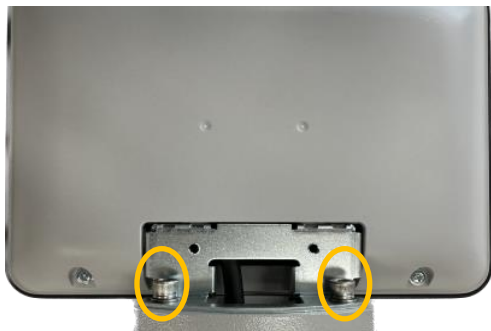
4.8.2 LCD UNIT



1. Remove 2 screws the Back of LCD



2. Detach the CASE LINK POLE.



3. Remove 2 hex wrench screws



4. Detach the POLE STAND



5. Remove 2 hex head screws Under the LCD



6. Detach the BRACKET LINK POLE.



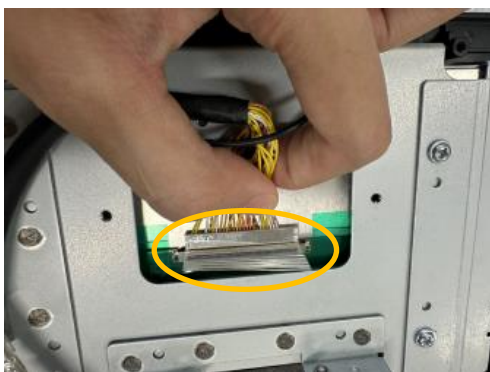
7. Remove 4 screws the Back of LCD.



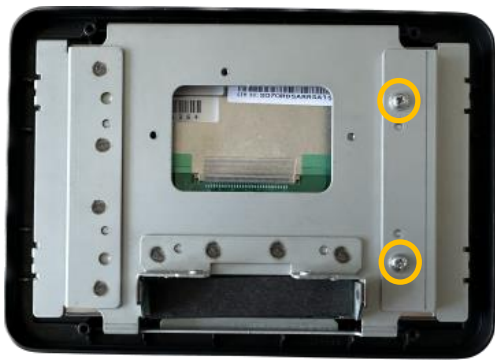
8. Remove 2 screws



9. Remove stuck tape to harness plug of the LCD panel.



10. Unplug harness plug



11. Remove 2 screws.



12. Detach the LCD.



※ Reverse this procedure for assembly

4.9 Periodic replacement parts

UNIT / PART NAME	Contents
THERMAL HEAD Consumable Item number : 100-010-2669-00 Item name : THERMAL HEAD 8dot/mm TPH80R21C	MTBF : 120km ※ Actual life expectancy will vary depending on your environment.


CAUTION

MTBF is mean time between failures, a measure of the reliability of a device or system. MTBF and life expectancy do not warrant that part.

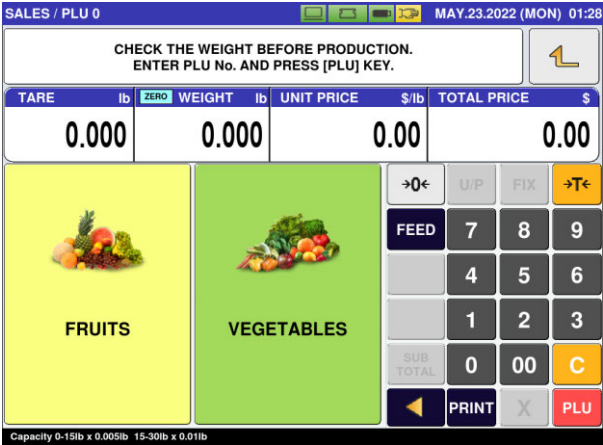
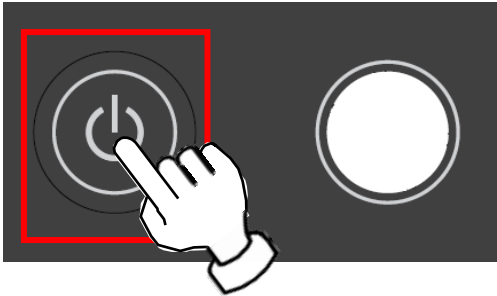
Chapter 5 Setup Mode


5.1 Setup menu

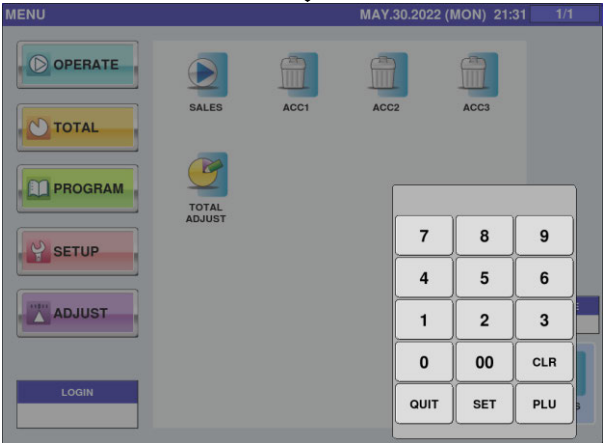
5.1.1 Startup



1. Turn on power.



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

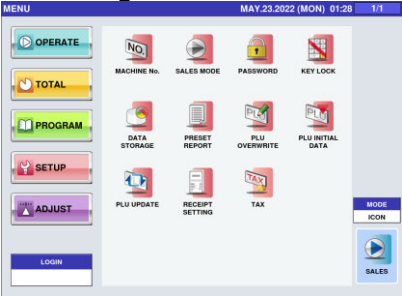


Press [SETUP] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.

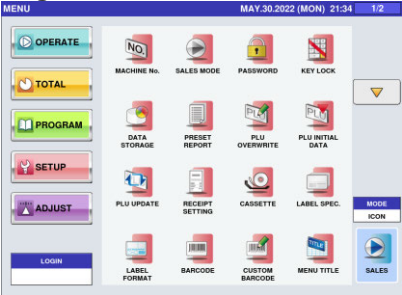


3. Press only [LOGIN] button to log out.







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: JUN.13.2022 (MON) 22:06. The main area contains several input fields and buttons:

- MACHINE No.:** 1
- NETWORK No.:** 1
- MASTER IP ADDRESS:** 0.0.0.0
- MACHINE SET:** ALONE (selected), MASTER, SAT.
- MASTER PORT:** 0
- SAT. PORT:** 0
- COMMUNICATION MODE:** OFFLINE, ONLINE
- PLU SYNC:** YES, NO
- PLU REFERENCE:** LOCAL, MASTER
- PING TO MAS.** button

At the bottom, there are navigation tabs: 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 9999
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

The screenshot displays the 'MACHINE No. (BASIC)' configuration interface. At the top, it shows the title 'MACHINE No. (BASIC)' and the date/time 'JUN.13.2022 (MON) 22:08'. The main area contains several sections: 'MACHINE No.' and 'NETWORK No.' both set to '1'; 'MASTER IP ADDRESS' set to '0.0.0.0'; 'MACHINE SET' with 'MASTER' selected; 'MASTER PORT' and 'SAT. PORT' both set to '0'; 'COMMUNICATION MODE' with 'OFFLINE' and 'ONLINE' options; 'PLU SYNC.' with 'YES' selected; and 'PLU REFERENCE' with 'LOCAL' and 'MASTER' options. A 'PING TO MAS.' button is located on the right side. At the bottom, there is a navigation menu with 'BASIC', 'IP ADDR.', 'PC COM', 'WIFI', and 'GLOBAL SV.' options.

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.

MACHINE No. (BASIC) JUN.13.2022 (MON) 22:09

MACHINE No. 1	NETWORK No. 1	MASTER IP ADDRESS 0.0.0.0
MACHINE SET		MASTER PORT 0
ALONE	MASTER	SAT. PORT 0
COMMUNICATION MODE		PLU SYNC.
OFFLINE	ONLINE	YES
		NO
		PLU REFERENCE
		LOCAL
		MASTER

PING TO MAS.

BASIC IP ADDR. PC COM WIFI GLOBAL SV.

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) JUN.13.2022 (MON) 22:11

IP ADDRESS: 0.0.0.0

SUBNET MASK: 255.255.255.0

DEFAULT GATEWAY: 0.0.0.0

MAC ADDRESS: 08:00:27:C4:8F:CE

DNS SERVER1: 0.0.0.0

DNS SERVER2: 0.0.0.0

DHCP MODE: OFF (selected), ON




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"
PING TO PC	Ping the PC.

5.2.3 PC COM

MACHINE No. (PC COM) JUN.13.2022 (MON) 22:12

PC IP ADDRESS 0.0.0.0	PRESET FUNC. NAME REFER COM. DATA PLU	  
PC PORT No. 55201		
COM CHECK PERIOD (SEC) 0	TARE ADJUST NO YES	
COM CHECK TIME OUT(SEC) 2		
ERROR LOG SEND NO SEND SEND	PROD. TRAN. SEND NO SEND SEND	
FIELD NAME ENABLE DISABLE ENABLE	SALE TRAN. SEND NO SEND SEND	
CONNECTION CHECK METHOD SEQ. No. PING		
<p>BASIC IP ADDR. PC COM WIFI GLOBAL SV.</p>		

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
CONNECTION CHECK METHOD	Select the connection check method reference. SEQ. No. / PING
PRESET FUNC. NAME REFER	Select the preset function name reference. COM.DATA / PLU
TARE ADJUST	Enter the tare adjust. NO / YES
PROD. TRAN. SEND	Enter whether or not to perform transmission of Production Transaction.

Menu name	Specification
	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.
RECEIVE CONTROL	Select the list of receive for PLU

5.2.4 WiFi

MACHINE No. (WiFi) JUN.13.2022 (MON) 22:33

WiFi USE: NO / YES (YES selected)

SECURITY / AUTHENTICATION / ENCRYPTION: NONE / WEP 128 / WPA PSK TKIP / WPA2 PSK CCMP (NONE selected)

SSID (WIRELESS NETWORK NAME): [Empty]

KEY TYPE: HEX / ASCII / PASSPH. (HEX selected)

WEP KEY INDEX: 1 / 2 / 3 / 4 (1 selected)

WEP64 KEY: [Empty]

PING TO PC

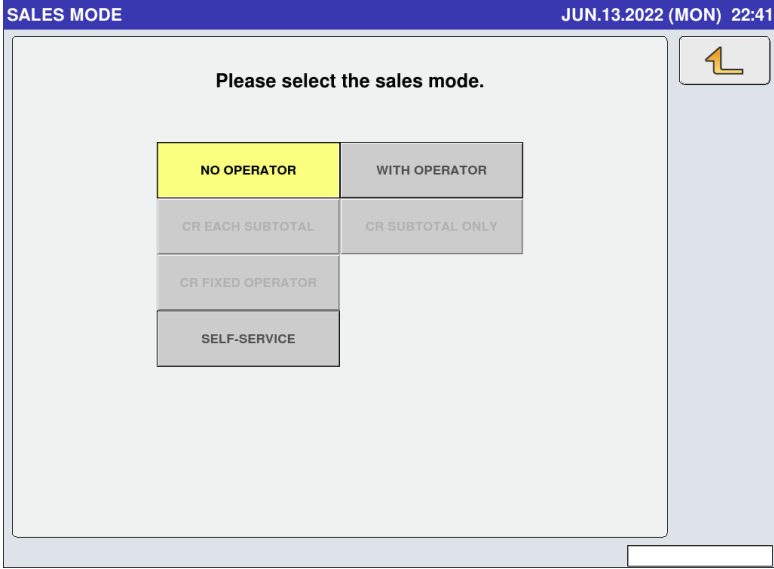
BASIC | IP ADDR. | PC COM | WiFi | GLOBAL SV.

Menu name	Specification
WiFi USE	Select the use of WiFi NO / YES
SECURITY / AUTHENTICATION / ENCRYPTION	Select the method of security/authentication/encryption. NONE / WEP128 / WPA 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
SSH PORT	Enter the SSH's port number. Input range: 0 to 65535
PING TO SERVICE	Select the method of remote operation DISABLE / ENABLE VNC / ENABLE VNC+SSH

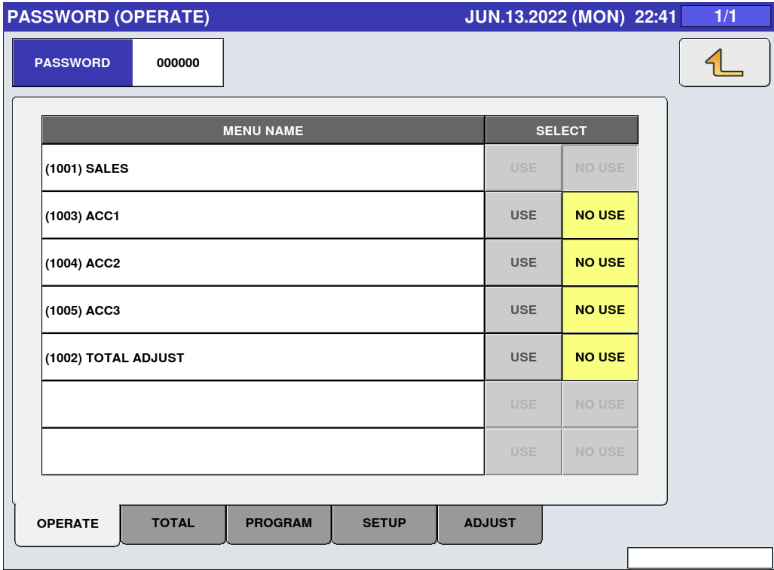
5.3 SALES MODE



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) JUN.13.2022 (MON) 22:43 1/1

PASSWORD 000000

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 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 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

KEY LOCK (FUNCTION KEY) JUN.13.2022 (MON) 22:44 1/16

PASSWORD 000000

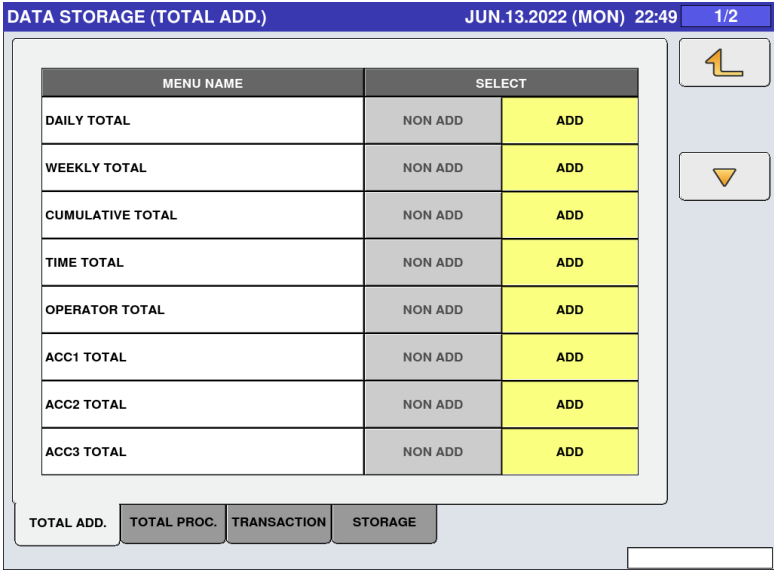
KEY NAME	KEY LOCK	
	YES	NO
PLU	YES	NO
TARE	YES	NO
F/P	YES	NO
MULTI	YES	NO
SPECIAL	YES	NO
-\$	YES	NO
-%	YES	NO

DISPLAY KEY 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.

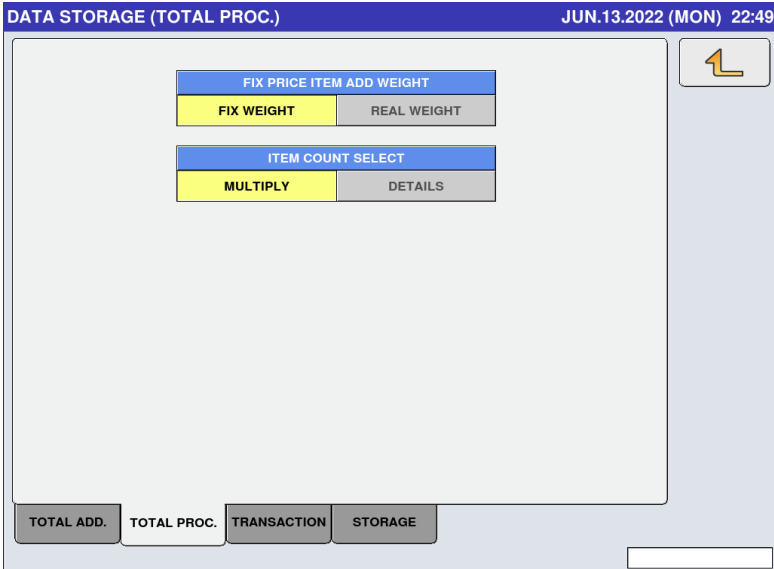
5.6 DATA STORAGE

5.6.1 TOTAL ADD.



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

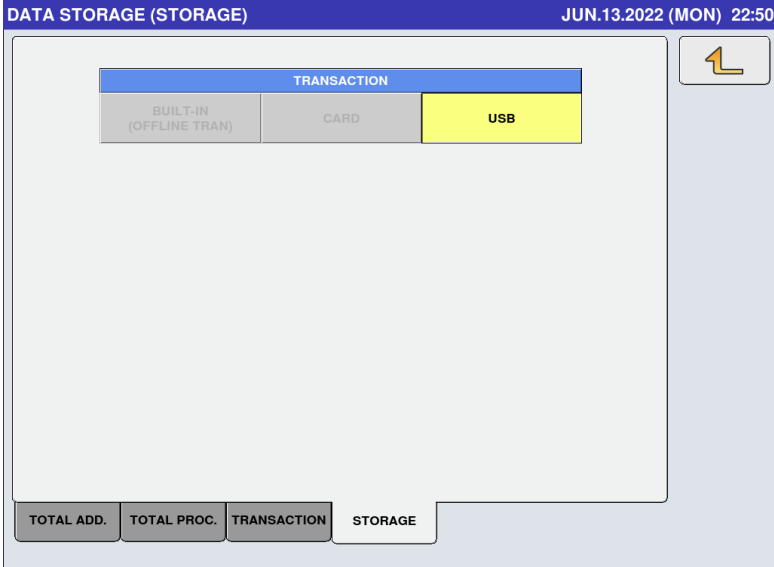
DATA STORAGE (TRANSACTION) JUN.13.2022 (MON) 22:50

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 0 DAYS		DRAWER REPORT <input type="radio"/> NON ADD <input type="radio"/> ADD	

TOTAL ADD. TOTAL PROC. TRANSACTION STORAGE

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

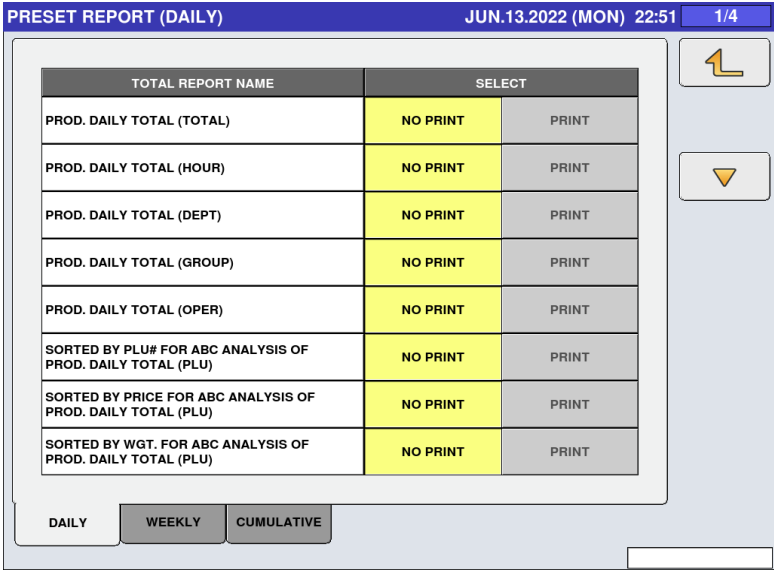
5.6.4 STORAGE



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

5.7 PRESET REPORT



5.7.1 DAILY



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 OVERWRITE		JUN.13.2022 (MON) 22:58		1/4
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 SALE1

PLU INITIAL DATA (SALE1)
JUN.13.2022 (MON) 22:59

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

CHANGE RANGE						
START No.	END No.					
00000001	99999999					
UNIT PRICE No.					CONDITION	
1	2	3	4	5	NO	YES
No.	LIST NAME	REPLACE CONDITION	CHANGE CONTENTS			
1	ITEM CODE					
2	PACK DATE PRINT					
3	PACK TIME PRINT					
4	PACK TIME DATA					
5	SB DATE PRINT					
6	SB TIME PRINT					

Buttons:    

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) JUN.13.2022 (MON) 23:01

HEADER TEXT * RECEIPT FOR PURCHASE *

FOOTER TEXT Welcome again.

HEADER LOGO 8 **MEMBER SAVINGS**

FOOTER LOGO 11 **Thank You**

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

RECEIPT SETTING (BARCODE) JUN.13.2022 (MON) 23:01

POS FLAG 02	POS CODE TYPE < 1: EAN/UPC 13 >
RECEIPT CODE 00000000	GS1 EXP FORMAT < 1:(01)(3922)(3203) >
POS MINUS FLAG 03	POS FORMAT FFCCCC(C/P)PPPP(C/D)

TITLE BARCODE RECEIPT No.

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 / 6: GS1 ST / 7: GS1 STO / 8: GS1 LIMITED / 9: GS1 EXPANDED / 10: ITF
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) / 3: (01)(3203)(3922) / 4: (01)(3203)(15)(3922)
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.)
JUN.13.2022 (MON) 23:06

RECEIPT START No.

1

RECEIPT END No.

999999

DAILY TOTAL AUTO CLEAR

NO
YES

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

5.12 CASSETTE

PRINTER		PLU No.	LABEL W.	LABEL L.	CAST. No.
PRN 1		0	60.0 mm	44.0 mm	2


No.	FORMAT No.	LABEL SPEC	PEEL MODE	PRINT MODE
01	001	01	INDIV.LABEL	MANUAL
02	001	01	INDIV.LABEL	MANUAL
03	001	01	INDIV.LABEL	MANUAL
04	001	01	INDIV.LABEL	MANUAL
05	001	01	INDIV.LABEL	MANUAL
06	001	01	INDIV.LABEL	MANUAL
07	001	01	INDIV.LABEL	MANUAL

CAST. SWITCHING		CAST. SWITCH. TIMER	GROUP/PAGE(FUNC)=0 MEANS	
CAST. INSERT			GRP.1 PG.1	NO DISP.

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 1~3	Select the extra message 1 to 3. FIXED / VARIABLE
FREE MSG.	Select the free message. FIXED / VARIABLE

5.13 LABEL SPEC.

LABEL SPEC.			JUN.13.2022 (MON) 23:12		1/1
PRINTER PRN 1	CASSETTE No. 2	LABEL No. 01	 FEED PRINT MODIFY FORMAT LIST DETAIL DELETE		
LABEL TYPE 1:130LA-1	PRINT DENSITY 5	RED DENSITY 5			
PRINT DIRECTION STAND. REVERSE	LABEL GAP 2.5mm	PEEL SENSOR USE NO USE			
SENSOR TYPE 1:LABEL	PRINT SPEED 120mm/s	BACK FEED NO YES			
SENSOR DISTANCE 40.0mm	FEED LENGTH 9.0mm	BACK FEED LEN. 0.0mm			
CONFIRM TO		FORMAT			
FMT No. 001	PLU No. 00000000	WIDTH 60.0 mm			
		LENGTH 44.0 mm			
LABEL					

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)

LABEL FORMAT / DETAIL (UNIT) JUN.13.2022 (MON) 23:13 1/1

1 < > STRING EDIT

UNIT No.	UNIT NAME	A	B	C	D	E	F
0	HEADER						

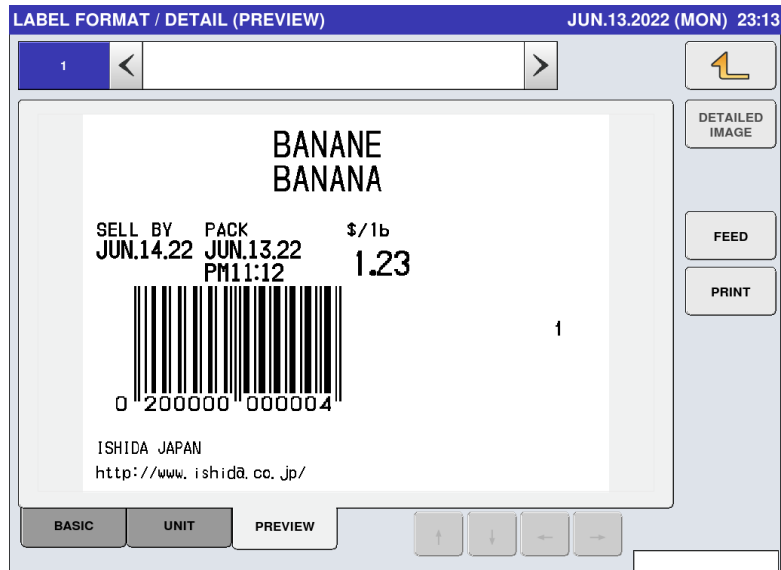
PLU	SET CONTENTS	VALUE
FORMAT No.	Header: 1-99 not able to change	1
X-AXIS	Able to set 0-800 by 0.1mm	600
Y-AXIS	Able to set 0-2700 by 0.1mm	440
UNIT No.	Able to set 1-63	30
TURN	00:STANDARD 02:REVERSE	00

BASIC UNIT PREVIEW

FEED PRINT UNIT ERASE UNIT COPY UNIT ADD

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.

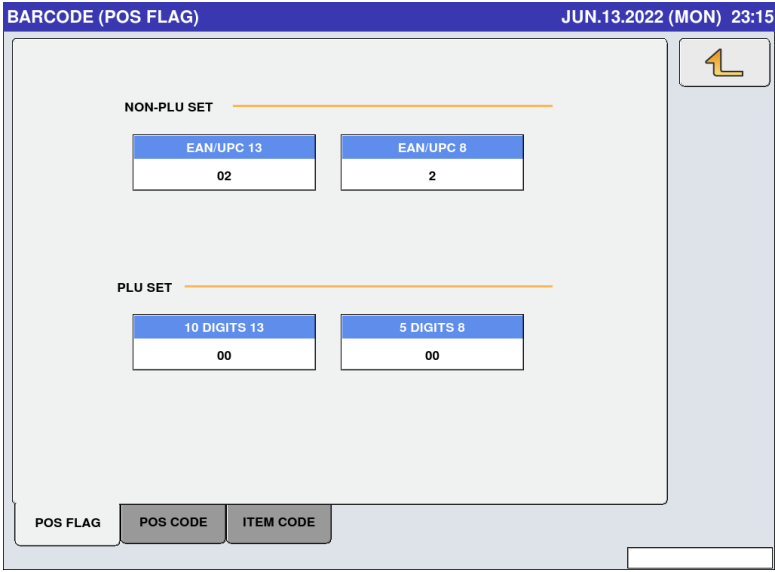
5.14.3 DETAIL (PREVIEW)



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 13 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

BARCODE (POS CODE) JUN.13.2022 (MON) 23:15

POS CODE TYPE: 1: EAN/UPC 13

OCR STYLE: EAN13, UPC12

GS1 EXP FORMAT: 1:(01)(3922)(3203)

POS FORMAT (WGT): FFCCCC(C/P)PPPP(C/D)

POS FORMAT (FIX PRICE): FFCCCC(C/P)PPPP(C/D)

POS FLAG POS CODE ITEM 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) / 3:(01) (3203) (3922) / 4:(01) (3203) (15) (3922)
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) JUN.13.2022 (MON) 23:18

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>

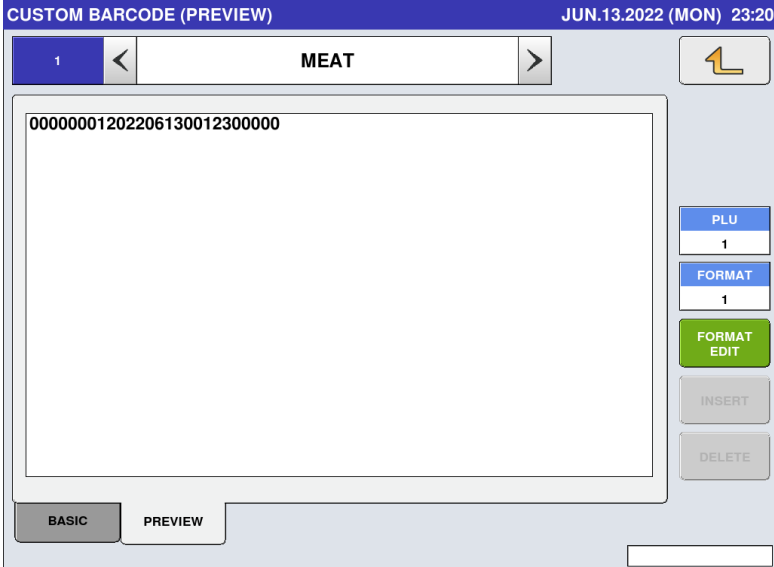
5.16 CUSTOM BARCODE

5.16.1 BASIC

No.	ID	START	DIGIT	DATA	CTRL
1					

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 TITLE (OPERATE)			JUN.13.2022 (MON) 23:21		1/2
No.	DEFAULT NAME	NEW NAME			
1001	SALES	SALES			
1003	ACC1	ACC1			
1004	ACC2	ACC2			
1005	ACC3	ACC3			
1006	SALES RETURN	SALES RETURN			
1002	TOTAL ADJUST	TOTAL ADJUST			
1008	POS FUNCTION	POS FUNCTION			
1009	LOG IN/OUT	LOG IN/OUT			

OPERATE TOTAL PROGRAM SETUP ADJUST

EDIT

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) JUN.13.2022 (MON) 23:23

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. YES / NO
FREEMASTER FOR URL	Enter the free master number to use in the URL. Input range: 0 to 15
DISP FONT	Select how to disp font NO LINKED / LINKED
DEPARTMENT	Select whether or not to use the department. YES / NO

5.18.2 PRODUCTION

OPERATION SETTING (PRODUCTION) JUN.13.2022 (MON) 23:39

WEIGHED ITEMS' WEIGHT RANGES CHECK		<input checked="" type="radio"/> NO	<input type="radio"/> YES
TARE SELECT		<input checked="" type="radio"/> 1st TARE	<input type="radio"/> 2nd TARE
FIX PRICE AUTO PRN (WEIGHT)		<input checked="" type="radio"/> NO	<input type="radio"/> YES
FIX PRICE ITEMS' WEIGHT RANGES CHECK		<input checked="" type="radio"/> NO	<input type="radio"/> YES
AUTO PRINT DELAY(sec)	0.000		
NUTRITION LABEL PRINT		<input checked="" type="radio"/> NO	<input type="radio"/> YES
SUBTOTAL CLEAR		<input checked="" type="radio"/> PRINT	<input type="radio"/> CALL
FIX UPR POP UP		<input checked="" type="radio"/> NO	<input type="radio"/> YES
PAST DATE CHECK		<input checked="" type="radio"/> YES	<input type="radio"/> NO
SAVE DEFAULT		<input checked="" type="radio"/> OFF	<input type="radio"/> ON

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

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)	Enter the delay time to auto print. Input range: 0 to 9999
NUTRITION LABEL PRINT	Select whether or not to print the label of nutrition. NO / YES
SUBTOTAL CLEAR	Select how to clear subtotal. PRINT / CALL
FIX UPR POP UP	Select whether or not to fix upr pop up NO / YES
PAST DATE CHECK	Select whether or not to check the past date. NO / YES
SAVE DEFAULT	Select the save default. OFF / ON

5.18.3 TIMER

OPERATION SETTING (TIMER) JUN.14.2022 (TUE) 01:07

REGISTRATION TIMER 0	SUB-TOTAL TIMER 0	PRINTING TERM. TIMER 0
SELF CATEGORY TIMER 0	SELF PRESET TIMER 0	SELF SEARCH TIMER 0
NORMAL CATEGORY TIMER 0		

CALL1 PROD. **TIMER** CR1 CR2 INPUT SELF

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)
SELF CATEGORY TIMER	Enter the self category timer. Input range: 0 to 9999 (seconds)
SELF PRESET TIMER	Enter the self preset timer. Input range: 0 to 9999 (seconds)
SELF SEARCH TIMER	Enter the self search timer. Input range: 0 to 9999 (seconds)
NORMAL CATEGORY TIMER	Enter the normal category timer Input range: 0 to 9999 (seconds)

5.18.4 CR1

OPERATION SETTING (CR1) JUN.14.2022 (TUE) 01:10

VAT PRINT	
NO	YES
AUTO MODE OPERATION	
CONTINUE	EACH
DRAWER OPEN	
PRN START	PRN END
DRAWER 0 OPEN	
NO	YES
REISSUE	
CALL UP TICKET	OPEN TICKET

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

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

5.18.5 CR2

OPERATION SETTING (CR2) JUN.14.2022 (TUE) 01:11

SUBTT-FOR DISCOUNT ITEM
 NO YES

TENDER AMOUNT INPUT
 AUTO MANUAL

RECEIPT TARE PRINT
 NO YES

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

Menu name	Specification
SUBTT-FOR DISCOUNT ITEM	Select whether or not to set the items of subtotal for discount. NO / YES
TENDER AMOUNT INPUT	Select the operation mode of tender amount input. AUTO / MANUAL
RECEIPT TARE PRINT	Select whether or not to print with the receipt tare. NO / YES

5.18.6 INPUT

OPERATION SETTING (INPUT) JUN.14.2022 (TUE) 01:12

INPUT		TARE RESET	
TYPE1	TYPE2	MANUAL	AUTO
CALENDAR INPUT		DISTRIBUTION INPUT	
NO	YES	ADD	DELETE+ADD

CALL1 PROD. TIMER CR1 CR2 INPUT SELF

Menu name	Specification
INPUT	Select the type for input. TYPE1 / TYPE2
TARE RESET	Select mode of tare resetting. MANUAL / AUTO
CALENDAR INPUT	Select whether or not to input with the calendar. NO / YES
DISTRIBUTION INPUT	Select the type of distribution input. AUTO / MANUAL

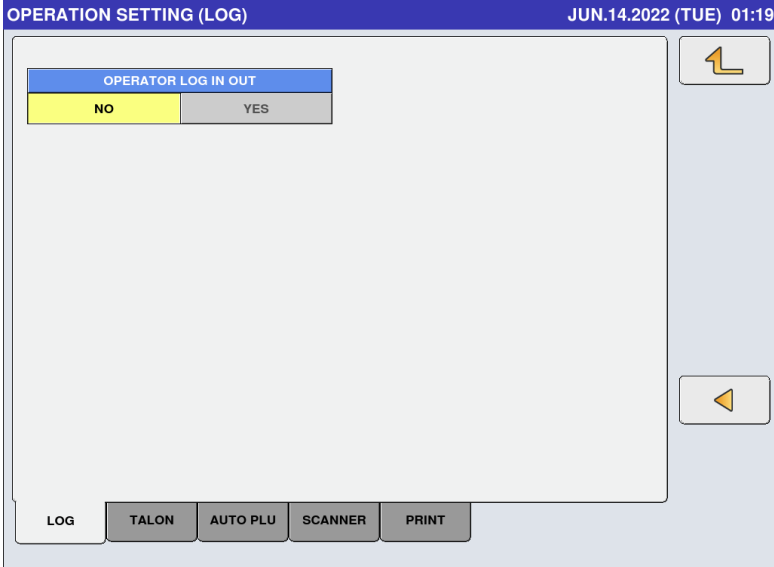
5.18.7 SELF

OPERATION SETTING (SELF) JUN.14.2022 (TUE) 01:17

PRINT MODE		SEARCH TYPE	
MANUAL	AUTO	PRESET	PLU
AUTO PRINT TIMING(msec)		CALL PRINT	
0		NO	YES
AUTO PLU0 CALL AFTER DISP. LABEL			
NO		YES	
PRESET			
GROUP NO. FOR WEIGHT ITEM		PAGE NO. FOR WEIGHT ITEM	
1		1	
GROUP NO. FOR F/P ITEM		PAGE NO. FOR F/P ITEM	
1		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
AUTO PLU0 CALL AFTER DISP. LABEL	Select the auto plu0 call after disp. label. NO / YES

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

OPERATION SETTING (TALON) JUN.14.2022 (TUE) 01:20

TALON

TALON PRINT(msec)

TALON ORDER

LOG TALON AUTO PLU SCANNER PRINT

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

OPERATION SETTING (AUTO PLU) JUN.14.2022 (TUE) 01:20

AUTO PLU CALL

NONE 3DIGIT 4DIGIT 5DIGIT 6DIGIT 7DIGIT 8DIGIT TIMER

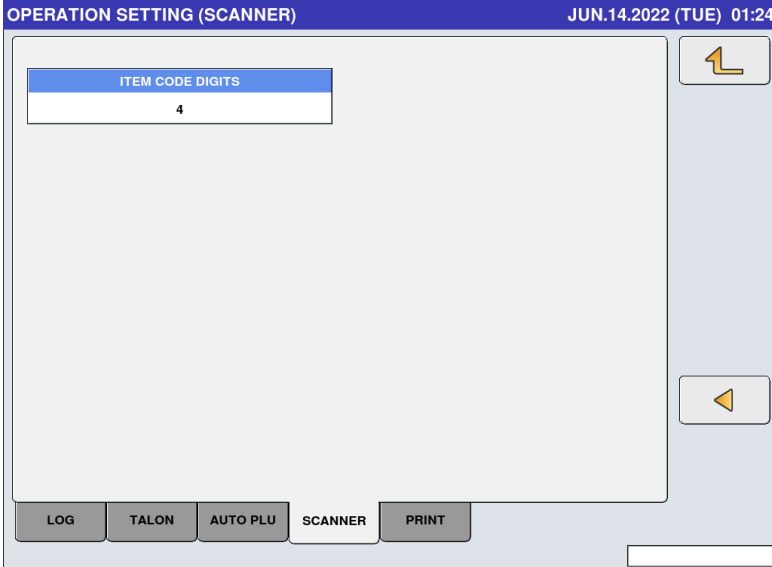
AUTO PLU TIMER(msec)

0

LOG TALON AUTO PLU SCANNER PRINT

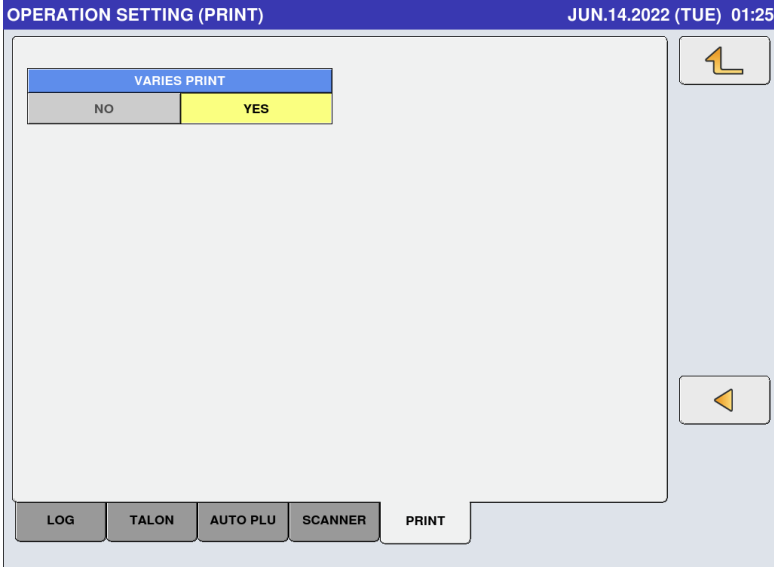
Menu name	Specification
AUTO PLU CALL	Select the type for auto plu call input. NONE / 3DIGIT / 4DIGIT / 5DIGIT / 6DIGIT / 7DIGIT / 8DIGIT / TIMER
AUTO PLU TIMER (msec)	Select mode of tare resetting. Input range: 0 to 3000

5.18.11 SCANNER



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

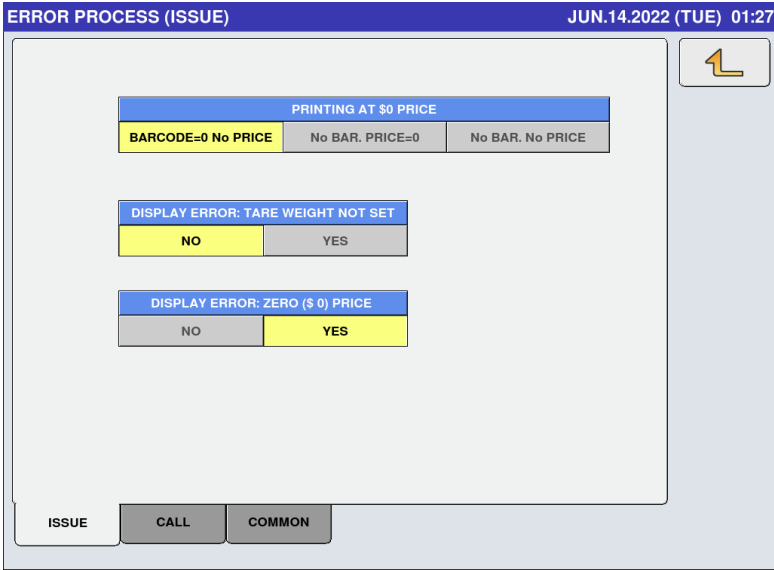
5.18.12 PRINT



Menu name	Specification
VARIES PRINT	Select the varies print. NO / YES

5.19 ERROR PROCESS

5.19.1 ISSUE

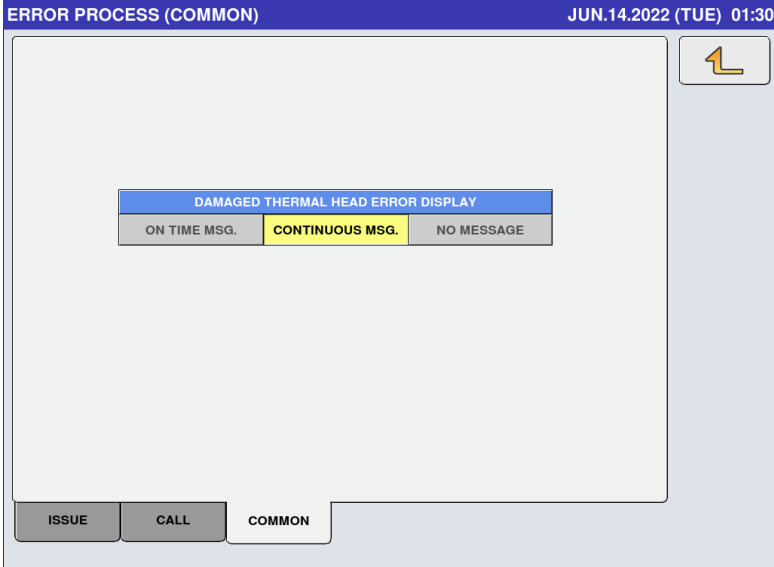


Menu name	Specification
PRINTING AT 0 PRICE	Select the action of printing at 0. BARCODE=0 No PRICE / No BAR.PRICE=0 / No BAR. No PRICE The currency unit depends on the country master.
DISPLAY ERROR: TARE WEIGHT NOT SET	Select whether or not to display the error message when the tare weight is not set.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

5.19.2 CALL

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
ERROR PROCESS	Select the error process (EXTRA MSG.1 / INGREDIENT / EXTRA MSG. 3) NO / YES

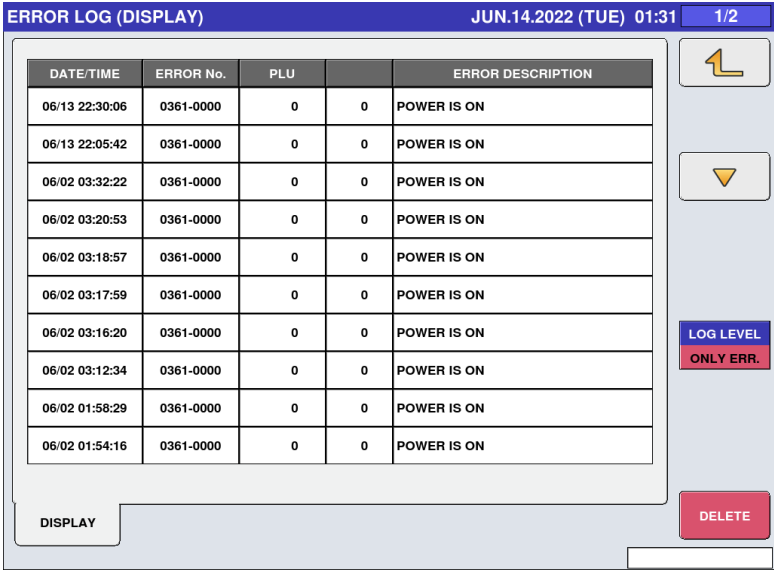
5.19.3 COMMON



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

5.20 ERROR LOG

5.20.1 DISPLAY




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.

5.21 TRACEABILITY

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

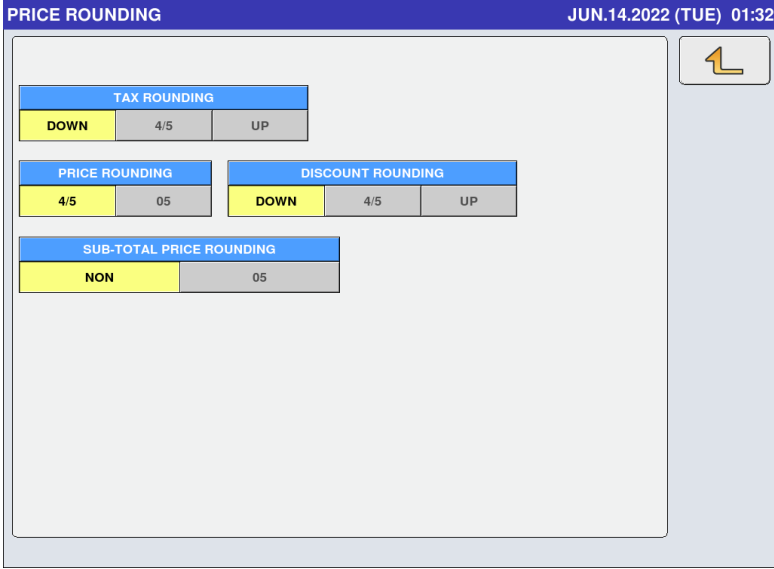
5.22 DUAL CURRENCY

DUAL CURRENCY JUN.14.2022 (TUE) 01:32

EXCH. RATE 4293	EXCH. RATE DEC. PNT. POS. 4			
PERIOD SELECTION				
LOCAL+FOREIGN	FOREIGN+LOCAL		LOCAL	FOREIGN
EXCH. RATE PRINT FLAG			BARCODE PRICE SELECTION	
NO PRINT	PRINT		FOREIGN	LOCAL
LOCAL CURRENCY SYMBOL Lm	LOCAL CURR. DEC. PNT. POS. 2			

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 teach 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



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

FREQUENT SHOPPER JUN.14.2022 (TUE) 01:33

NORMAL MARKDOWN

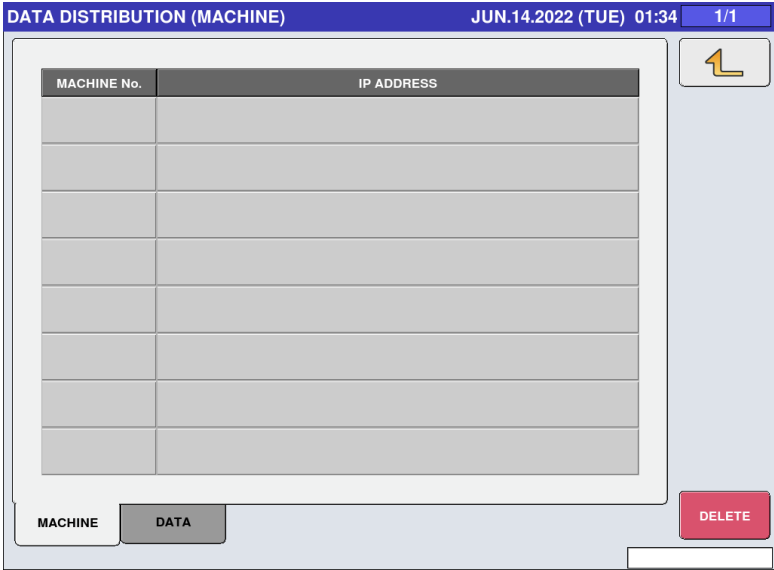
LOGO IMAGE 1 No.
000

NO YES

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	Select the price disp NO / YES

5.25 DATA DISTRIBUTION

5.25.1 MACHINE



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) JUN.14.2022 (TUE) 01:34 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

ALL SELECT

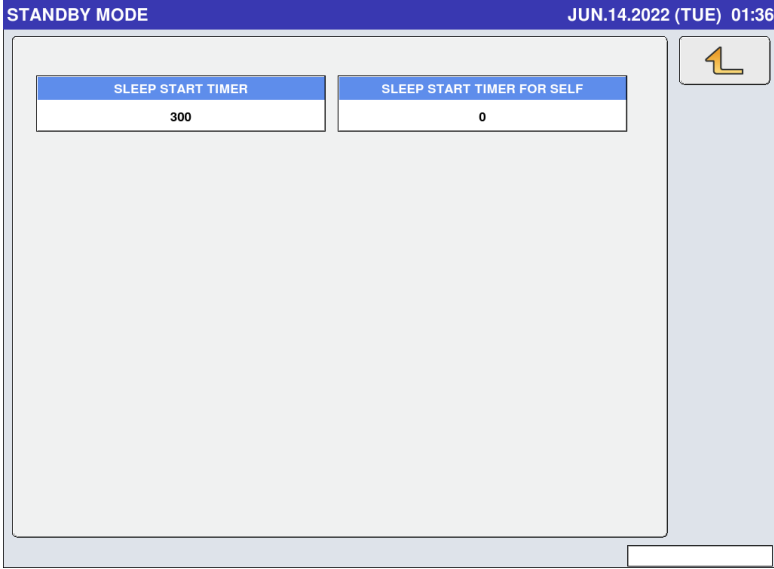
Menu name	Specification
DATA NAME	Display the data name.
SELECT	Select whether or not to distribute the master. YES / NO
ALL SELECT	Select all lines.

5.26 TAX

TAX				JUN.14.2022 (TUE) 01:35
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 %

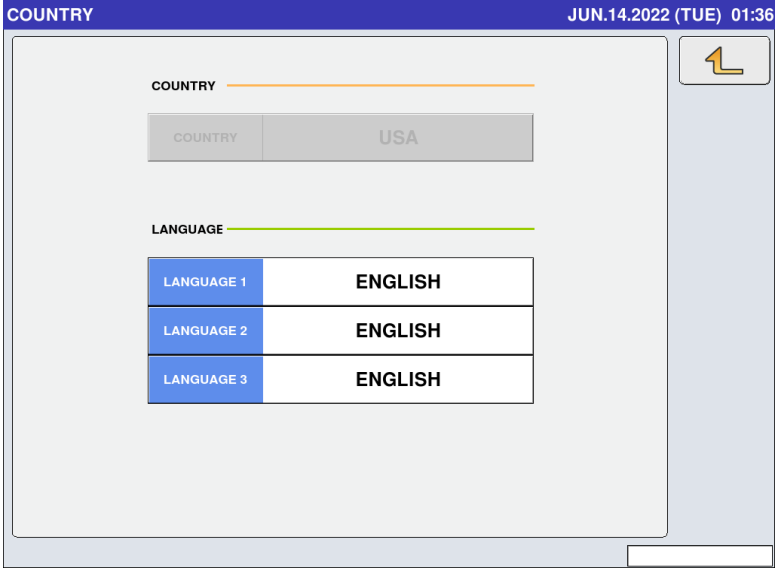
Menu name	Specification
TAX TYPE	Select tax type. EXCLUDED / INCLUDED / EXEMPT
TAX RATE	Enter the tax rate. Input range: 0.00 to 99.99 (%)

5.27 STANDBY MODE



Menu name	Specification
SLEEP START TIMER	Enter the time to standby mode. The unit is in minutes.
SLEEP START TIMER FOR SELF	Enter the time to standby mode for self. The unit is in minutes.

5.28 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.


5.29 FILE SAVE /LOAD

5.29.1 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.

5.29.2 SCALE>USB

FILE SAVE/LOAD (SCALE > USB) JUN.14.2022 (TUE) 01:37 1/1

OUT SOURCE OUTPUT SELECT 

MASTER NAME	NUMBER

ALL SEL.
 DETAIL
 EXEC

USB > SCALE SCALE > USB USB DATA DEL SCALE INIT.

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.

5.29.3 USB DATA DEL.

FILE SAVE/LOAD (USB DATA DEL) JUN.14.2022 (TUE) 01:37 1/1

DELETE SOURCE DELETE SELECT

MASTER NAME	NUMBER

ALL SEL. DETAIL EXEC

USB > SCALE SCALE > USB USB DATA DEL SCALE INIT.

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.

5.29.4 SCALE INIT.

FILE SAVE/LOAD (SCALE INIT.) JUN.14.2022 (TUE) 01:38 1/9

DATA INTERNAL MASTER

MASTER NAME	NUMBER
PLU	52 (52)
STORE	2
FIX PRICE SYMBOL	20
FREE MSG.1	0
FREE MSG.2	0
FREE MSG.3	0
FREE MSG.4	0

MEMORY SPACE
1,826,424 KB

PLU MASTER CONV.
2089673 EA

ALL SEL.

DETAIL

EXEC

USB > SCALE SCALE > USB USB DATA DEL 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.

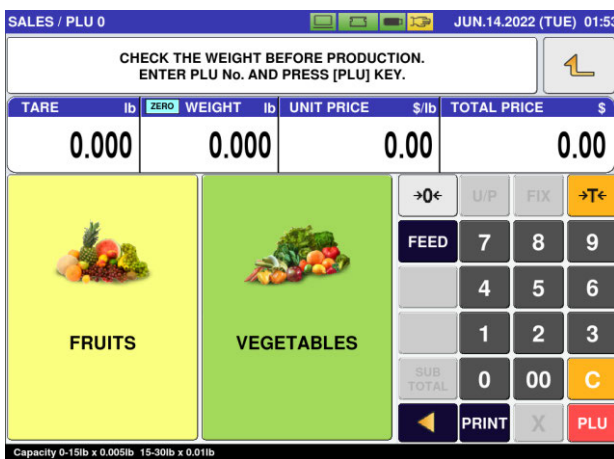
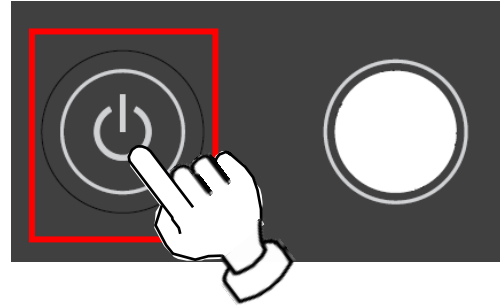
Chapter 6 Adjust Mode


6.1 Adjust mode menu

6.1.1 Startup



1. Turn on power.



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

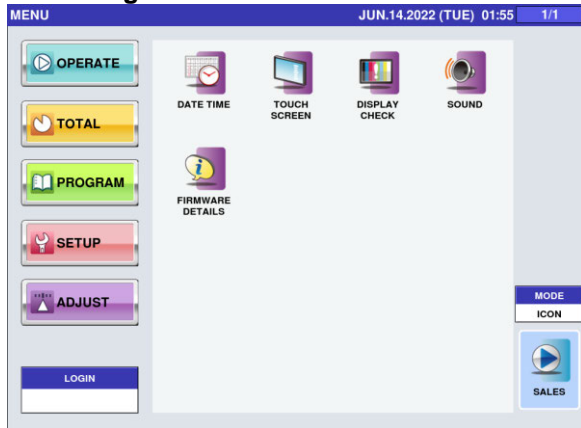


Press [ADJUST] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.



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

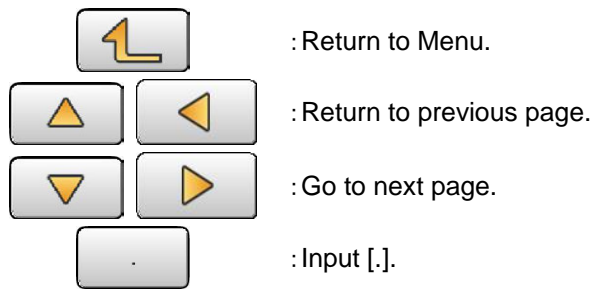
Before log in



Login screens



Common operating buttons



6.2 DATE TIME

DATE TIME JUN.14.2022 (TUE) 01:57

DATE JUN.14.2022

TIME 01:57:00

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

JULIAN DATE
 165-2022

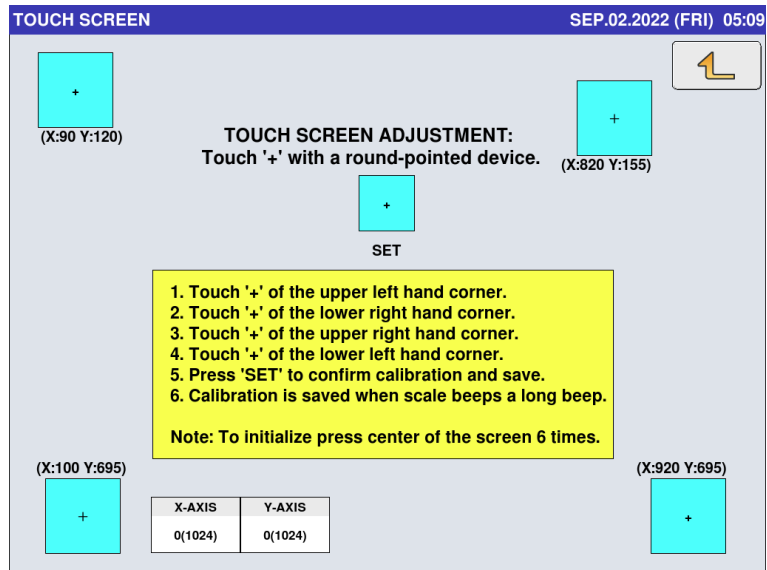
KEYIN LEN/TIME FORMAT
 1-2: SS
 3-4: MM:SS
 5-6: HH:MM:SS

TIME ZONE
 America/Halifax (ADT)

SET

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.
TIME ZONE	Enter the time zone of America.
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).

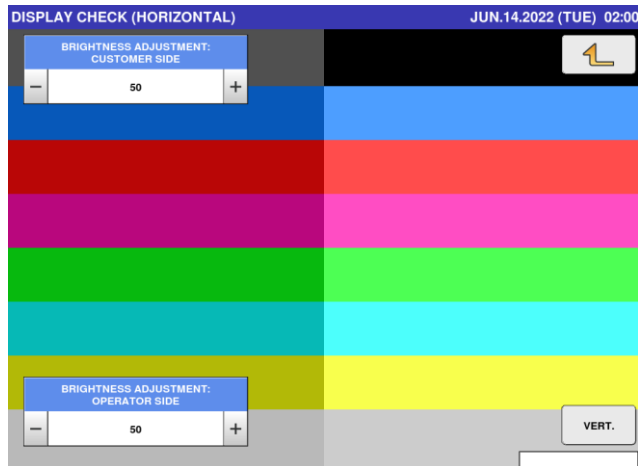
6.3 TOUCH SCREEN



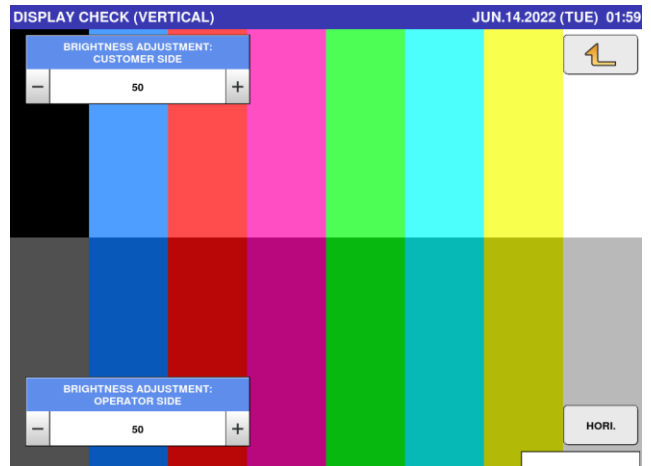
Menu name	Specification
initialization	For initialization of touch panel, press center of the screen 6 times.

6.4 DISPLAY CHECK

● HORIZONTAL screen

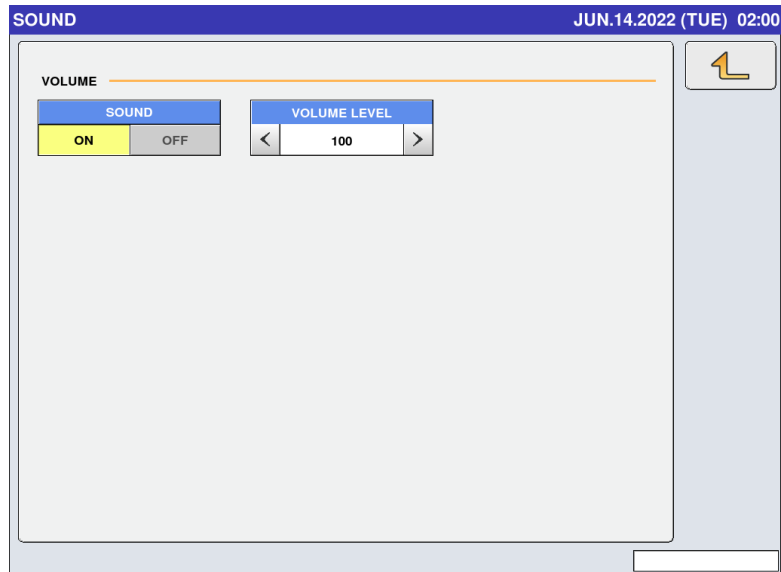


● VERTICAL screen



Menu name	Specification
BRIGHTNESS ADJUSTMENT: CUSTOMER SIDE	Enter the brightness of customer-side display. Input range: 0 to 100
BRIGHTNESS ADJUSTMENT: OPERATOR SIDE	Enter the brightness of operator-side display. Input range: 0 to 100
VERT. / HORI.	Switch between the vertical and horizontal screen display.

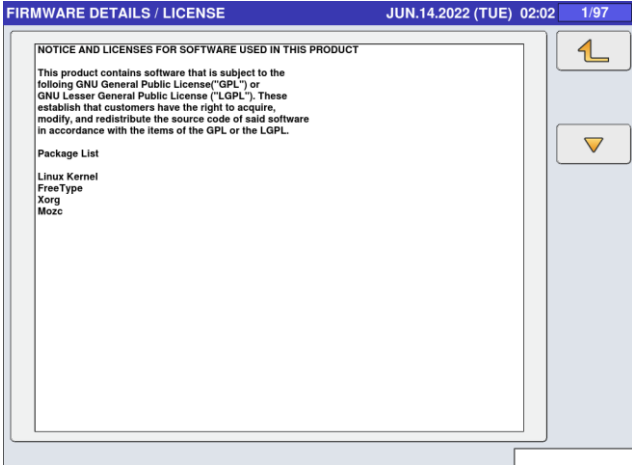
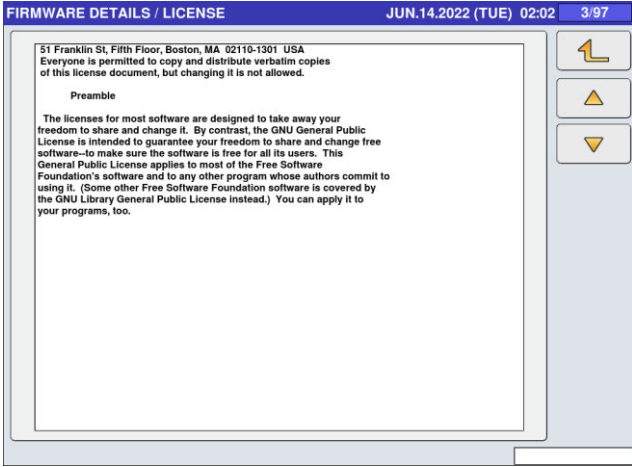
6.5 SOUND



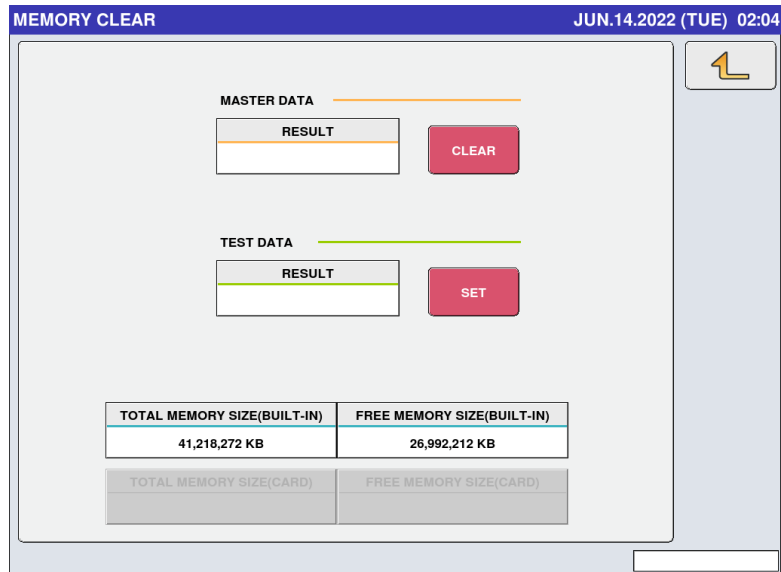
Menu name	Specification
SOUND	Select sound ON or OFF.
VOLUME LEVEL	Enter volume level. Input range: 0 to 100

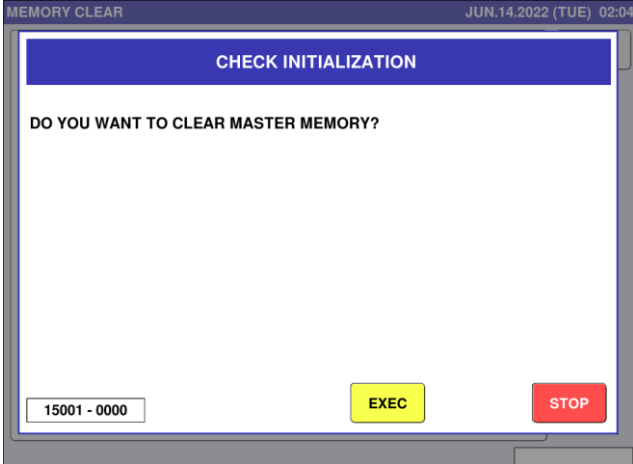
6.6 FIRMWARE DETAILS

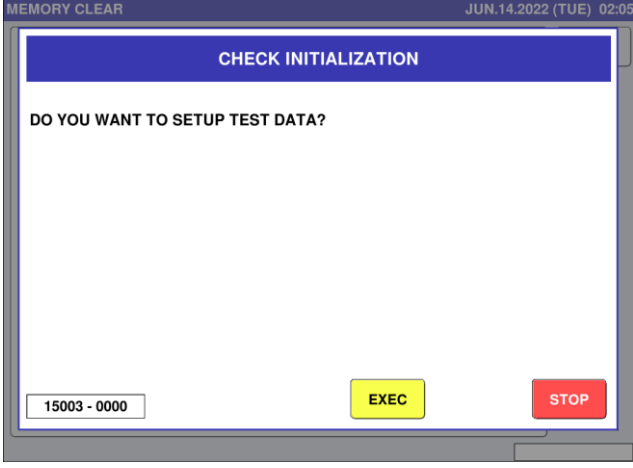
FIRMWARE DETAILS		JUN.14.2022 (TUE) 02:01	
TITLE SOFTWARE	Z2955C	LICENSE	
SOFTWARE	VERSION	SOFTWARE	VERSION
MAIN	Z2956C		
SCALE DRIVER (UPDATER)	J0994(J0835)		
OS	----	PRINTER APP.(BOOT)	J0909F
BIOS	J0825		
FPGA APP.(BOOT)	J0910B		

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

6.7 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).

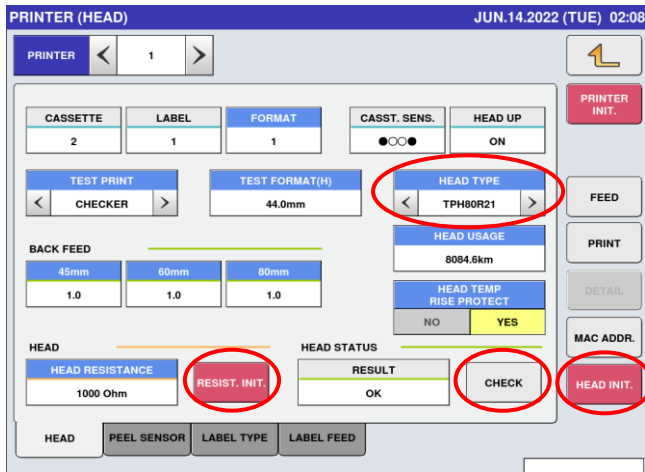
6.8 PRINTER

6.8.1 HEAD

The screenshot shows the 'PRINTER (HEAD)' menu with the following settings and options:

- PRINTER:** 1
- CASSETTE:** 2
- LABEL:** 1
- FORMAT:** 1
- CASST. SENS.:** ●○○●
- HEAD UP:** ON
- TEST PRINT:** CHECKER
- TEST FORMAT(H):** 44.0mm
- HEAD TYPE:** DHP6332
- HEAD USAGE:** 8084.6km
- HEAD TEMP RISE PROTECT:** NO
- HEAD RESISTANCE:** 0 Ohm
- RESIST. INIT.:** Button
- BACK FEED:** 45mm (1.0), 60mm (1.0), 80mm (1.0)
- HEAD STATUS:** RESULT, CHECK
- Buttons:** PRINTER INIT., FEED, PRINT, DETAIL, MAC ADDR., HEAD INIT.

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
HEAD TYPE	Select the head type. BHE4256 / DHP6332 / TPH80R21
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.

<p>PRINTER INIT.</p>	<p>Initialize the printer.</p> <p>CHECK INITIALIZATION dialog (printer initialization) appears to ask whether to initialize the printer.</p> <p>Other tabs also have the same function.</p>
<p>PRINT</p>	<p>Execute the print.</p> <p>Other tabs also have the same function.</p>
<p>FEED</p>	<p>Execute the feed.</p> <p>Other tabs also have the same function.</p>
<p>HEAD INIT.</p>	<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. 

6.8.2 PEEL SENSOR

The screenshot shows the 'PRINTER (PEEL SENSOR)' menu. At the top, it displays 'PRINTER' with left and right arrows and the number '1'. The date and time 'JUN.14.2022 (TUE) 02:09' are in the top right. The main area contains several settings: 'CASSETTE' (2), 'LABEL' (1), 'FORMAT' (1), 'CASST. SENS.' (●○○●), and 'HEAD UP' (ON). Below these are 'TEST PRINT' (CHECKER) and 'TEST FORMAT(H)' (44.0mm). The 'PEEL SENSOR LEVEL' is set to 0. 'PEEL DETECT.' is set to 190 with minus and plus buttons. 'PEEL SENSITIVITY' is set to 40 with minus and plus buttons. On the right side, there are buttons for 'PRINTER INIT.', 'FEED', 'PRINT', 'DETAIL', 'MAC ADDR.', and 'HEAD INIT.'. At the bottom, there are tabs for 'HEAD', 'PEEL SENSOR', 'LABEL TYPE', and 'LABEL FEED'.

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>· After placing the number, you can press the display area or adjust the reference value by using the +/-button. Depending on the installation location, the reference value is changed when the level of the hack sensor exceeds the default reference value 90 by reflection of foreign light on the label in the peeling state.</p>	

6.8.3 LABEL TYPE

PRINTER (LABEL TYPE) JUN.14.2022 (TUE) 02:10

PRINTER < 1 >

CASSETTE 2	LABEL 1	FORMAT 1	CASST. SENS. ●○○●	HEAD UP ON
---------------	------------	-------------	----------------------	---------------

TEST PRINT < CHECKER >

TEST FORMAT(H)
44.0mm

LABEL TYPE < 1:130LA-1 >

PRINT DENSITY
- 5 +

PRINT DIRECTION
STAND. INVERSE

LABEL GAP
2.5mm

LABEL SHAPE
STANDARD ROUNDING

ROUND LABEL
0.0mm

HEAD PEEL SENSOR LABEL TYPE LABEL FEED

PRINTER INIT. FEED PRINT DETAIL MAC ADDR. 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

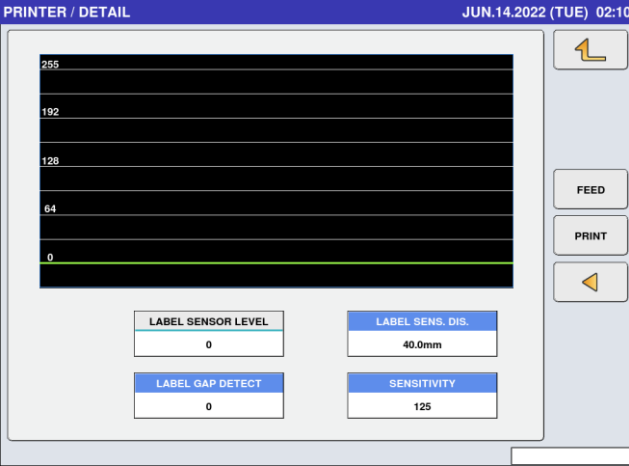
6.8.4 LABEL FEED

PRINTER (LABEL FEED) JUN.14.2022 (TUE) 02:10

PRINTER < 1 >

CASSETTE 2	LABEL 1	FORMAT 1	CASST. SENS. ●○○●	HEAD UP ON	PRINTER INIT.
TEST PRINT CHECKER	TEST FORMAT(H) 44.0mm	PEEL SENSOR USE	FEED		
SENSOR TYPE 1:LABEL	PRINT SPEED 120mm/s	BACK FEED NO	PRINT		
LABEL SENS. DIS. 40.0mm	PRE-PRINT LENGTH 9.0mm	BACK FEED LEN. 0.0mm	DETAIL		
LABEL SENSOR LEVEL 0	LABEL GAP DETECT - 0 +	SENSITIVITY - 125 +	MAC ADDR.		
HEAD		PEEL SENSOR	LABEL TYPE	LABEL FEED	HEAD INIT.

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.

Menu name	Specification
DETAIL	<p>Transfer to the label sensor details screen.</p>  <p>Enter the label sensor sensitivity so as not to exceed the peak value of label sensor.</p> <p>■ ADJUSTING METHOD FOR LABEL SENSOR</p> <ol style="list-style-type: none"> ① Remove the label so that only the label mount can see the detection level, and insert the cassette only about 30 cm from the front end of the cassette. If the mount has already been rolled up, rewind it to cover only the mount approximately 30 cm from the front end. ② Press [FEED] to tighten the ground. Display 'Label terminated' error. Click [OK] to clear the error. ③ Read the "Label Sensor Level" and it's called the number A. If less than or equal to "160", increase the sensitivity to the "160" area. The value is called the number A. ④ Press [FEED] until the label appears. The label sensor is in a state where the mount+label is blocked and its value is called the numerical value B. <p>The label can be detected correctly with a (number A-number B) of 60 or more.</p> <p>※ If the difference is 60 or less, the difference becomes larger by increasing the sensitivity of the mount.</p> <p>A - B ≥ 60 A = MOUNT B = MOUNT + LABEL</p>

6.9 CALIBRATION

The screenshot shows the CALIBRATION menu with the following settings:

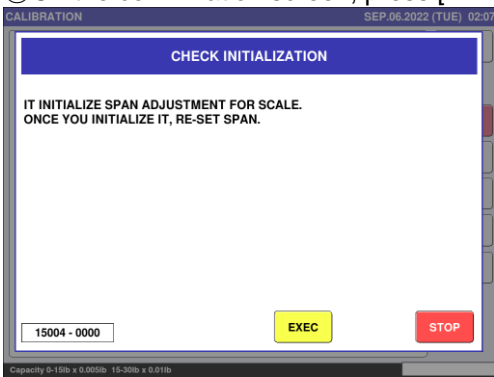
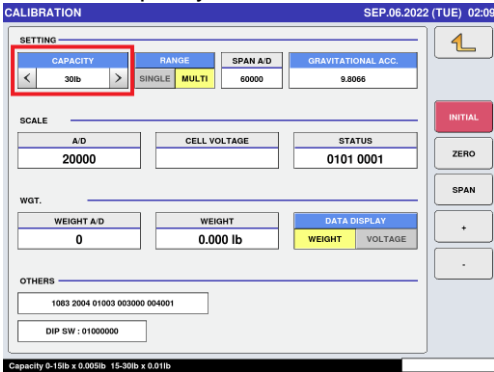
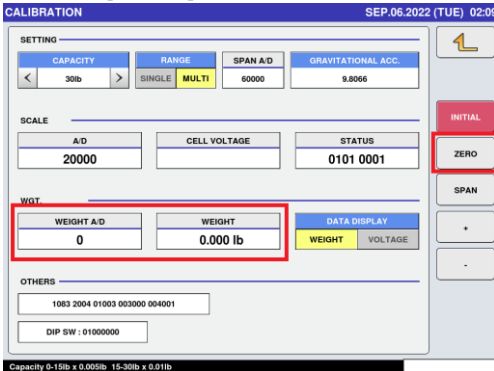
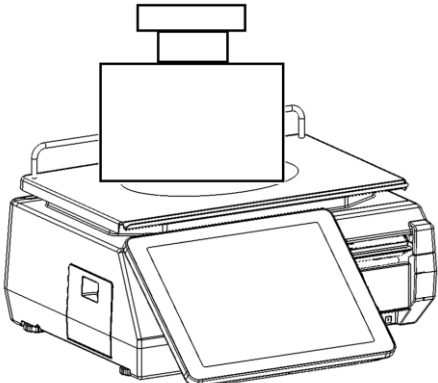
- SETTING:**
 - CAPACITY: 30lb
 - RANGE: SINGLE / MULTI (MULTI is selected)
 - SPAN A/D: 60000
 - GRAVITATIONAL ACC.: 9.8066
- SCALE:**
 - A/D: 20000
 - CELL VOLTAGE: (empty)
 - STATUS: 0101 0001
- WGT.:**
 - WEIGHT A/D: 0
 - WEIGHT: 0.000 lb
 - DATA DISPLAY: WEIGHT / VOLTAGE (WEIGHT is selected)
- OTHERS:**
 - 1083 2004 01003 003000 004001
 - DIP SW : 01000000

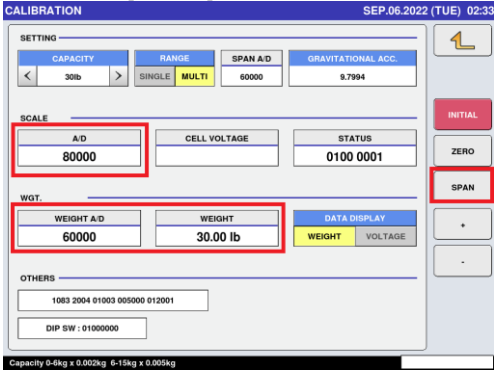
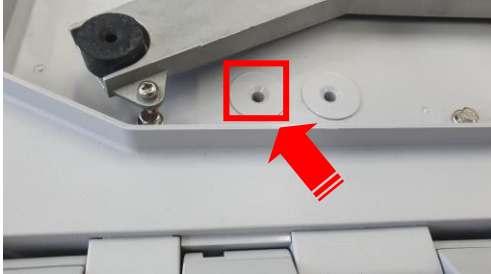
Buttons on the right: INITIAL, ZERO, SPAN, +, -.

Bottom status bar: Capacity 0-15lb x 0.005lb 15-30lb x 0.01lb

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. Follow the procedure below. ① Press [INITIAL].

This screenshot is identical to the one above, but the [INITIAL] button on the right side of the screen is highlighted in red, indicating the step to be followed for the SPAN function.

Menu name	Specification
	<p>② On the confirmation screen, press [EXEC].</p>  <p>③ Select capacity from the CAPACITY menu.</p>  <p>④ Press [ZERO].</p>  <p>⑤ Place the weights according to the capacity.</p> 

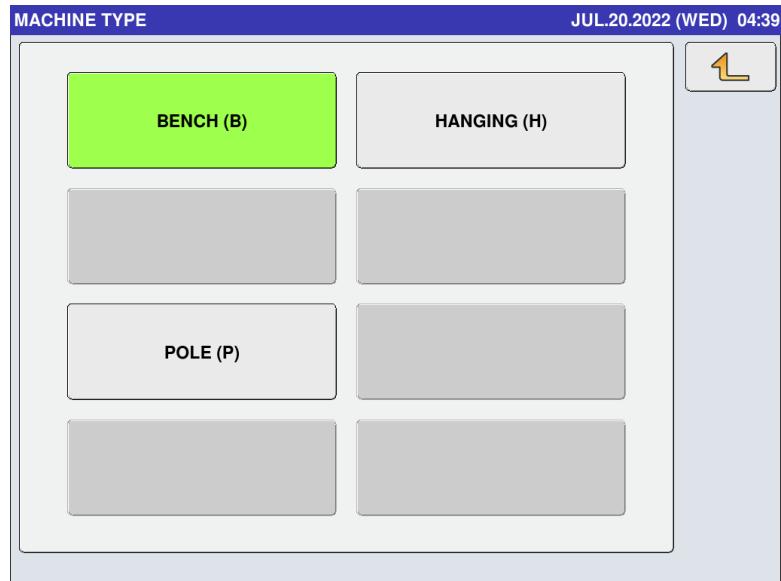
Menu name	Specification
	<p>⑥ Press [SPAN].</p>  <p>⑦ Lower the measuring plate and press the SPAN key on the AD board to save the value.</p> 
+	Add span value.
-	Deduct span value.

6.10 MACHINE TYPE

MACHINE TYPE JUL.20.2022 (WED) 04:39

BENCH (B) HANGING (H)

POLE (P)



Menu name	Specification
MACHINE TYPE	Select type.

6.10.1 DETAIL

MACHINE TYPE / DETAIL JUL.21.2022 (THU) 05:56

STRUCTURE BENCH TYPE PRODUCT ID 123456789

MAIN

KEY CONNECT: 0: NONE / 1: WIRE

SCALE CONNECT: 1: WIRE

TRAY DETECTION: NO / YES

CUSTOMER DISP: 0: NO IMG / 1: CUSTOMER

SCREEN SAVER DISP: 1: CUSTOMER

CUSTOMER DISP COLOR: 0: WHITE

PRINTER

PRINTER 1 CONNECTION: OK

OUTSIDE PRINTER: 0: NO

PRINT DOT RATIO: 1: 1 / 1: 1.1

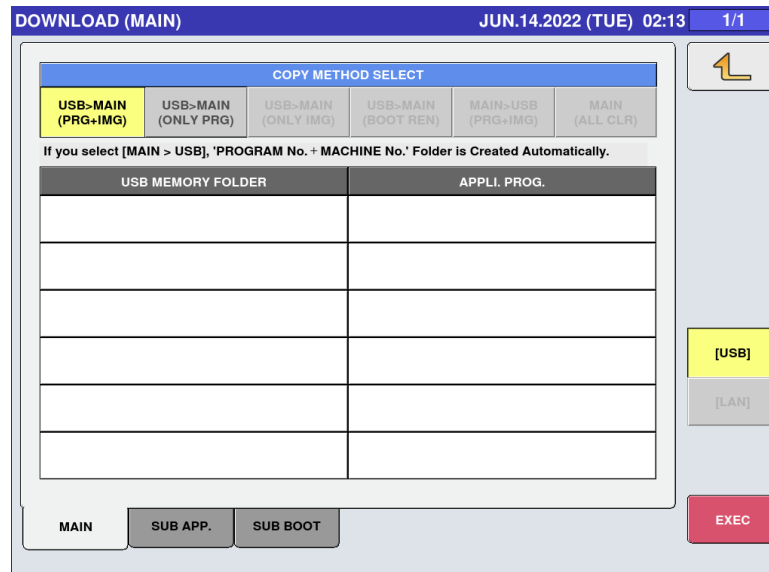
PRINTER 1 POS. SEL: LEFT / RIGHT

SET

Menu name	Specification
PRODUCT ID	Enter the product ID in seven digits. Input range: 0 to 999999999
CUSTOMER DISP	Select whether to connect the customer display. 0: NO IMG / 1: IMG
CUSTOMER DISP COLOR	Select color to the customer display. 0: WHITE / 1: BLACK
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.


6.11 DOWNLOAD

6.11.1 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.

6.11.2 SUB APP.

DOWNLOAD (SUB APP.)		JUN.14.2022 (TUE) 02:14	1/1
PROGRAM FILE NAME	SEND MACHINE NAME		
Z2948F.MOT	PRINTER		
FPGA_APLY_J1058C.BIN	FPGA	[MAIN] [USB] EXEC	
MAIN SUB APP. 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.

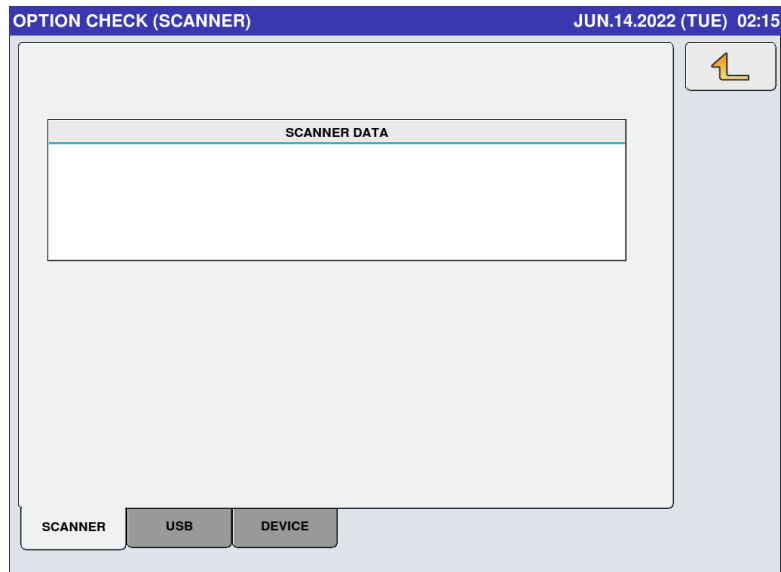
6.11.3 SUB BOOT

The screenshot shows a software interface titled "DOWNLOAD (SUB BOOT)". At the top right, it displays the date and time "JUN.14.2022 (TUE) 02:14" and a page indicator "1/1". The main area contains a table with two columns: "PROGRAM FILE NAME" and "SEND MACHINE NAME". Below the table, there are three buttons: a yellow "[MAIN]" button, a grey "[USB]" button, and a red "[EXEC]" button. At the bottom of the screen, there are three tabs: "MAIN", "SUB APP.", and "SUB BOOT", with "SUB BOOT" being the selected tab.

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.

6.12 OPTION CHECK

6.12.1 SCANNER



Menu name	Specification
SCANNER DATA	Display the scanned data.

6.12.2 USB

OPTION CHECK (USB) JUN.14.2022 (TUE) 02:16

USB MEMORY - 1

TOTAL MEMORY SIZE	FREE MEMORY SIZE
262,151,164 KB	46,635,536 KB

USB MEMORY - 2

TOTAL MEMORY SIZE	FREE MEMORY SIZE
0 KB	0 KB

CARD

TOTAL MEMORY SIZE	FREE MEMORY SIZE

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.

6.12.3 DEVICE

OPTION CHECK (DEVICE) JUN.14.2022 (TUE) 02:16

RESOURCE

CPU	MEMORY
36 %	917752/2065256

DEVICE

BATTERY
ON

DRAWER

PORT #1	EXEC

SCANNER USB DEVICE

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

6.13 GRAVITY

GRAVITY JUN.14.2022 (TUE) 02:17

SETTING

CAPACITY	RANGE	SPAN A/D	GRAVITATIONAL ACC.
30lb	MULTI	60000	9.8066

SCALE

A/D	STATUS
20000	0101 0001

WGT.

WEIGHT A/D	WEIGHT
0	0.000 lb

OTHERS

DIP SW : 01000000

Capacity 0-15lb x 0.005lb 15-30lb x 0.01lb

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.
STSTUS	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.

Chapter 8 Software Installation Procedure

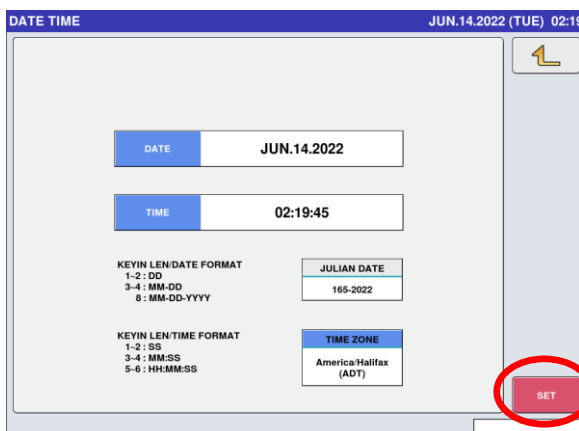
8.1 Software Data Backup

8.1.1 Preparation

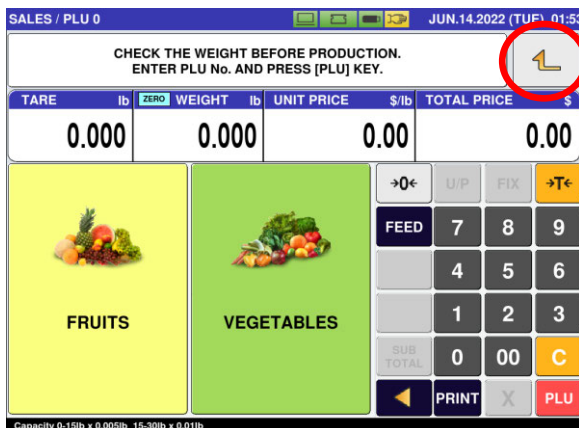
- USB memory stick storage soft folder arranged directly under directory of the USB.

8.1.2 Backup the master data

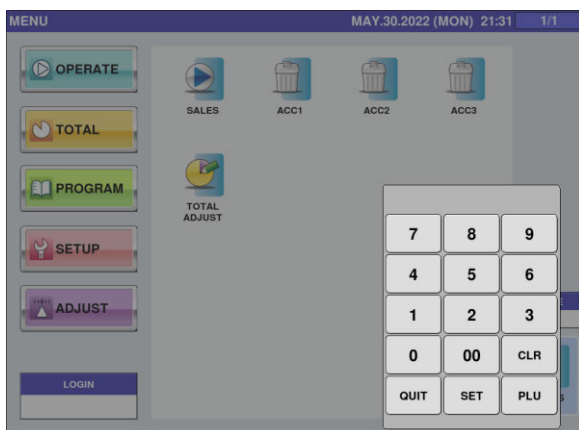
1. Plug a USB memory stick to the port and turn on power.
2. Press [SET] button.

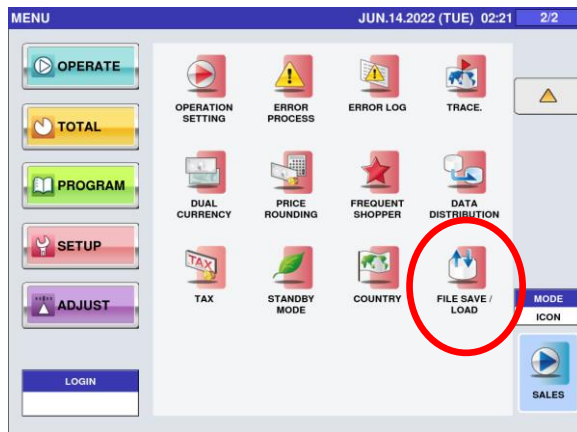



3. Press  button.

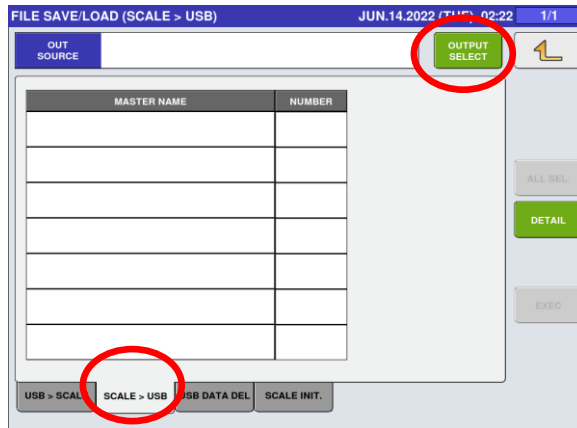


4. Press [SETUP] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.

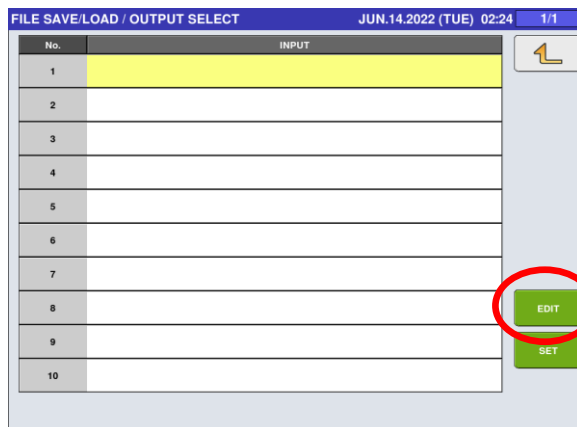




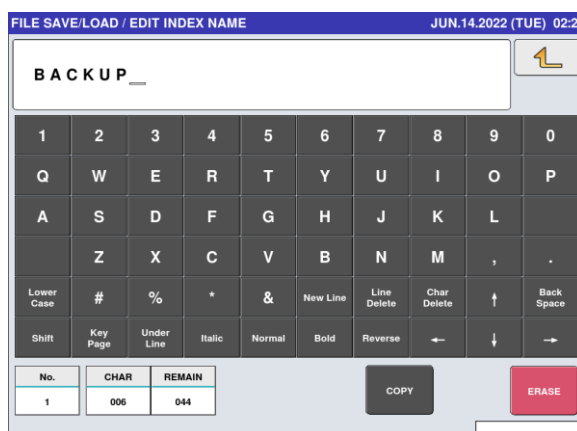
5. Press  and [FILE SAVE /LOAD] button.




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

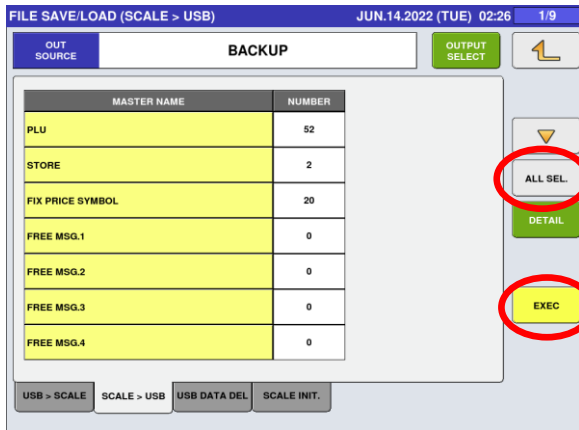


7. Select number for output and press [EDIT] button.

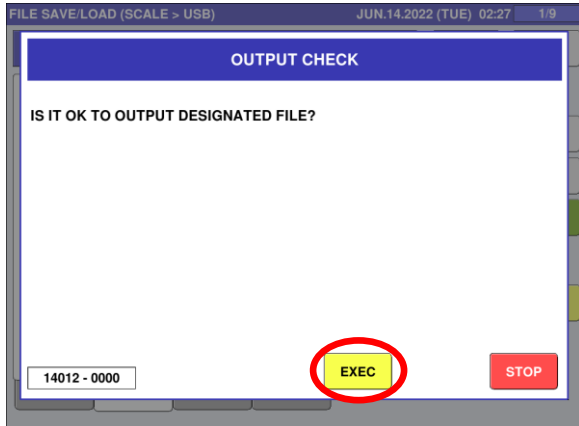


8. Enter folder name and press  button to return to previous page.

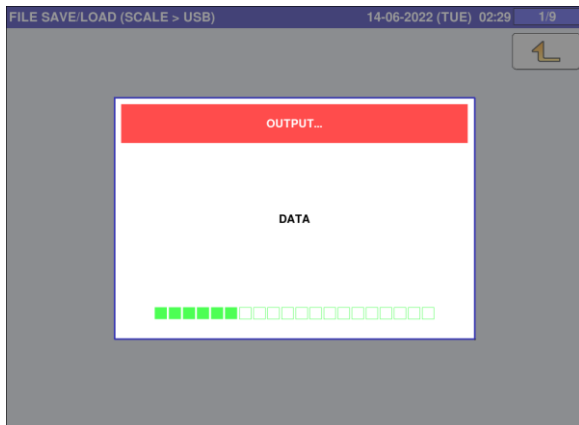
9. Press [ALL SEL.] and [EXEC] button.



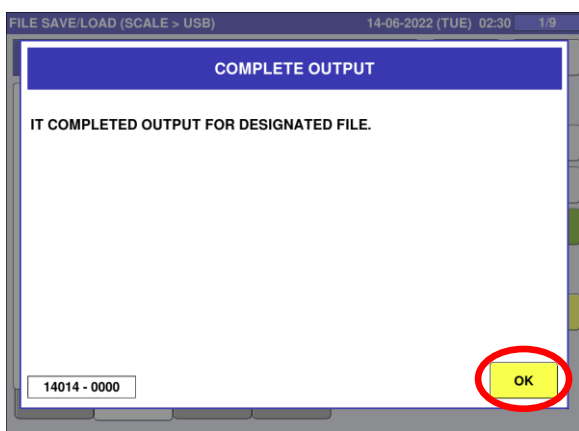
10. Press [EXEC] button.



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	lb	ZERO WEIGHT	lb
0.000		0.000	
UNIT PRICE			\$/lb
0.00			
TOTAL PRICE			\$
			0.00

Capacity 0-15lb x 0.005lb 15-30lb x 0.01lb

4. Memorize SELES MODE.

SALES MODE JUN.14.2022 (TUE) 02:33

Please select the sales mode.

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

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

MACHINE No. (IP ADDRESS) JUN.14.2022 (TUE) 02:34

IP ADDRESS 0.0.0.0	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 OFF ON
MAC ADDRESS 08:00:27:C4:8F:CE	

PING TO PC

BASIC IP ADDR. PC COM WIFI GLOBAL SV.

MACHINE No. (PC COM) JUN.14.2022 (TUE) 02:34

PC IP ADDRESS 0.0.0.0	PRESET FUNC. NAME REFER COM. DATA PLU
PC PORT No. 55201	TARE ADJUST NO YES
COM CHECK PERIOD (SEC) 0	PROD. TRAN. SEND NO SEND SEND
COM CHECK TIME OUT(SEC) 2	SALE TRAN. SEND NO SEND SEND
ERROR LOG SEND NO SEND SEND	CONNECTION CHECK METHOD SEQ. No. PING

PING TO PC

RECEIVE CONTROL

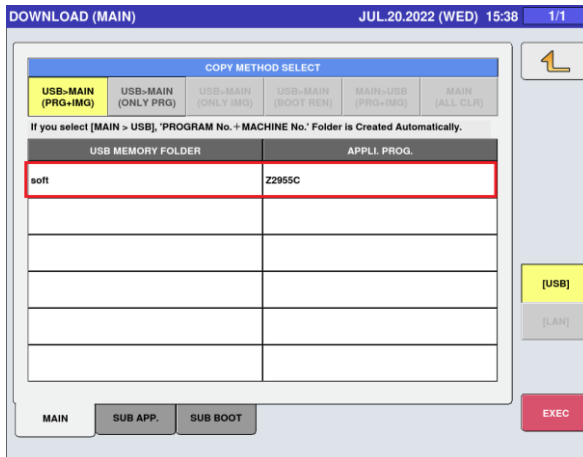
BASIC IP ADDR. PC COM WIFI GLOBAL SV.

8.2 Software Update

8.2.1 Update Main software

1. Insert the soft file to be updated into the USB memory stick.
2. Attach the USB to the equipment.
3. Select the file from the DOWNLOAD menu and press [EXEC].
4. Starting to install files.

When the installation has succeeded, the system restarts.



8.2.2 Update Sub software

1. Plug the USB memory stick and turn on power.
2. Press [ADJUST] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.



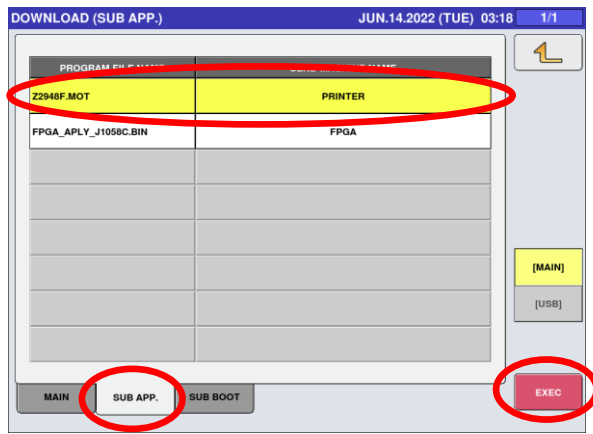
3. Press [DOWNLOAD] button.



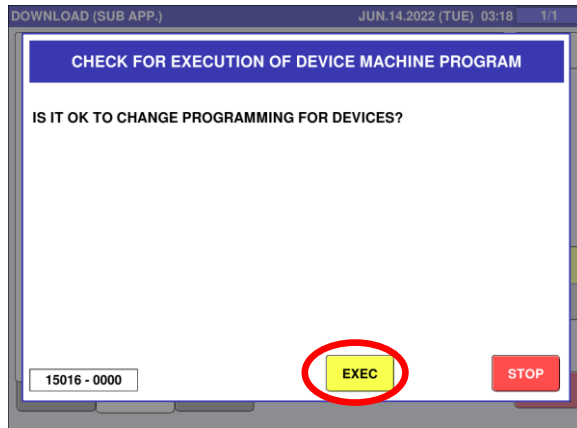
4. Select [SUB APP.] tab and PRINTER line and press [EXEC] button.



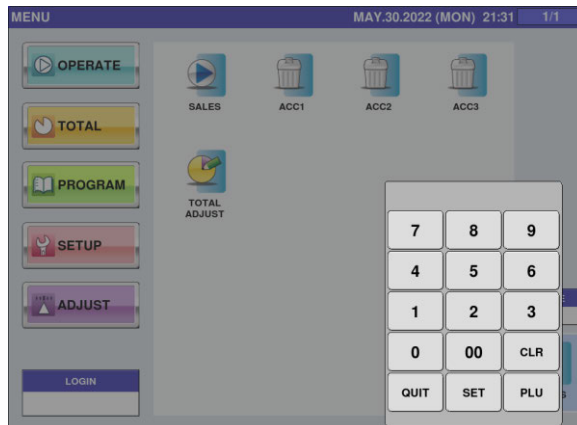
Do not select FPGA line with PRINTER line.



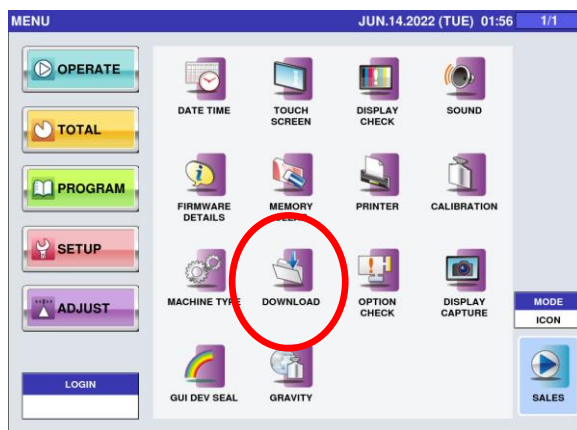
5. Press [EXEC] button then restart and complete.



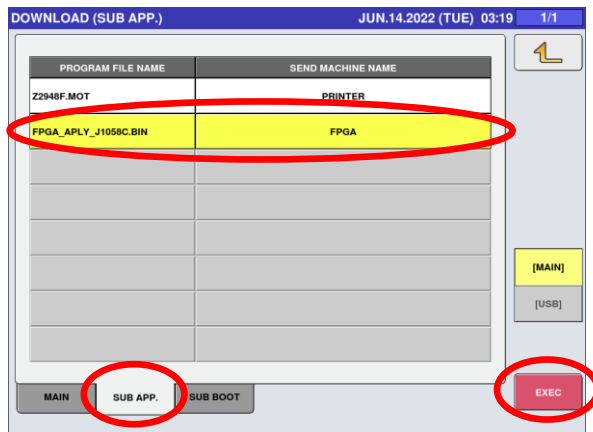
6. Press [ADJUST] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button again.



7. Press [DOWNLOAD] button.

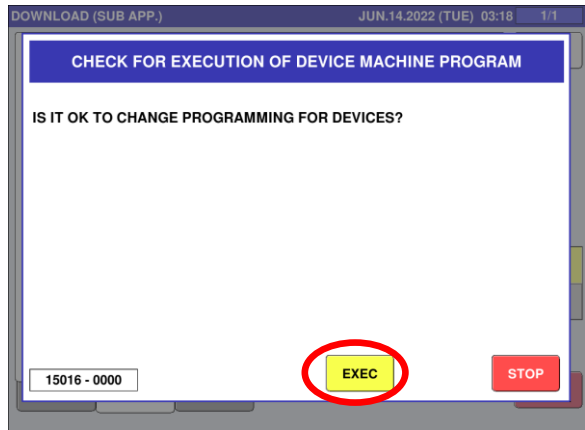


8. Select [SUB APP.] tab and FPGA line and press [EXEC] button.



Do not select PRINTER line with FPGA line.

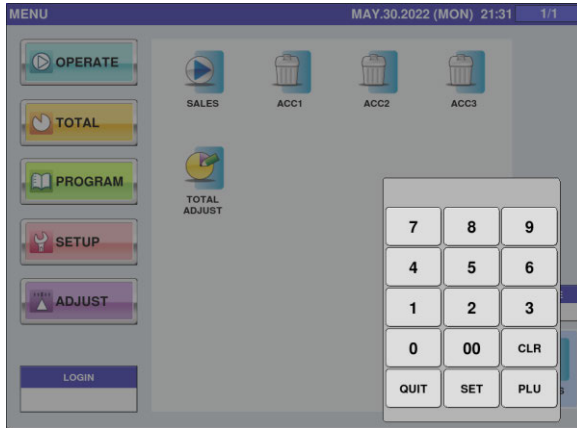
9. Press [EXEC] button then restart and complete.



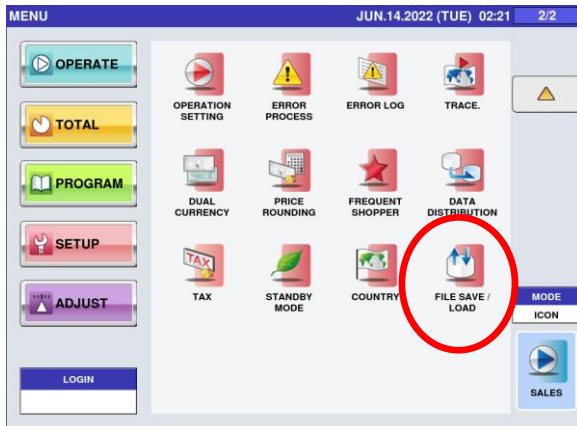
10. Unplug USB memory stick.


8.3 Software Data Setup

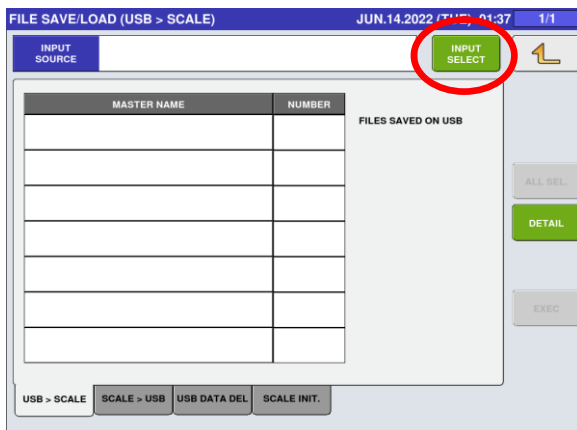
8.3.1 Install the backup data



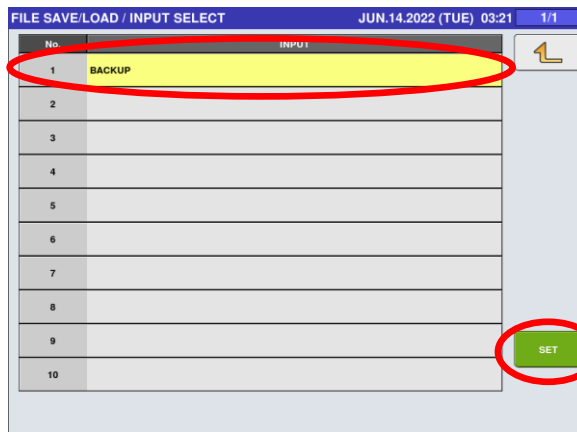
1. Plug the USB memory stick and turn on power.
2. Press [SETUP] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.



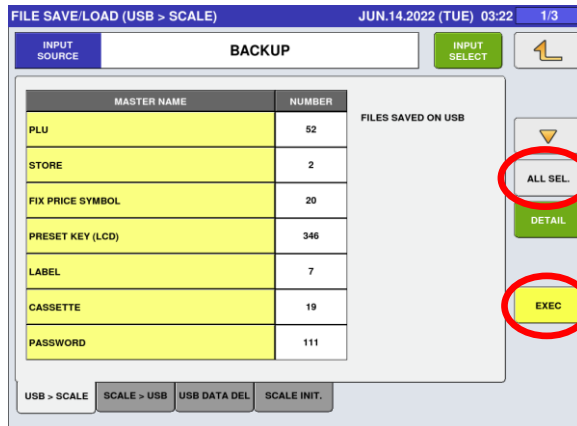
3. Press  and [FILE SAVE /LOAD] button.



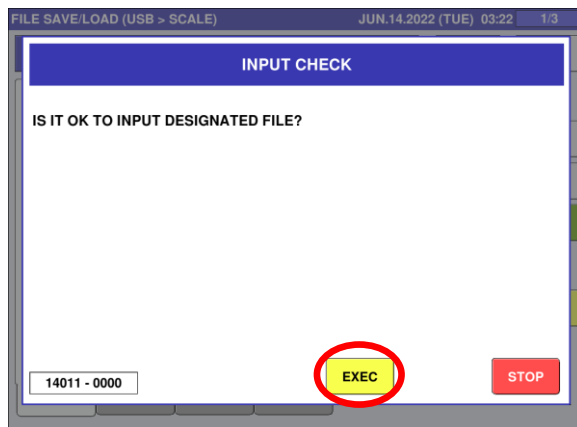
4. Press [INPUT SELECT] button.



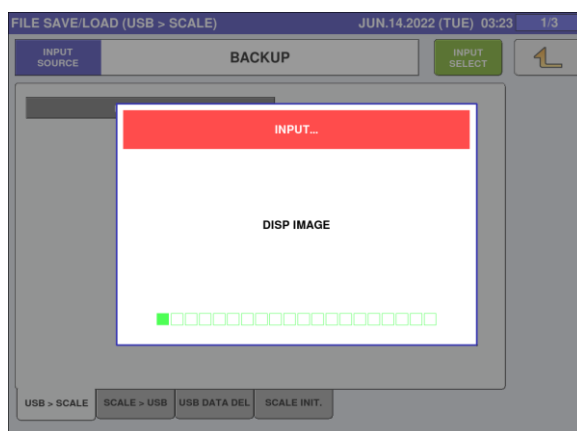
5. Select BACKUP line and press [SET] button.



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

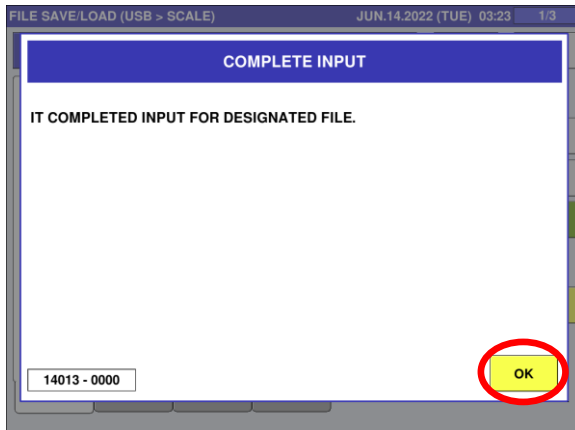


7. Press [EXEC] button.



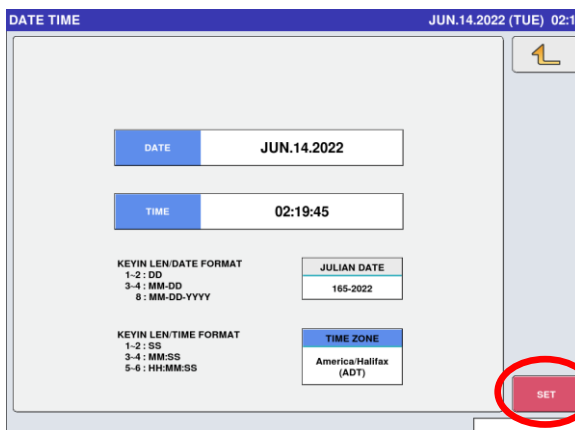
8. Starting to input files.

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

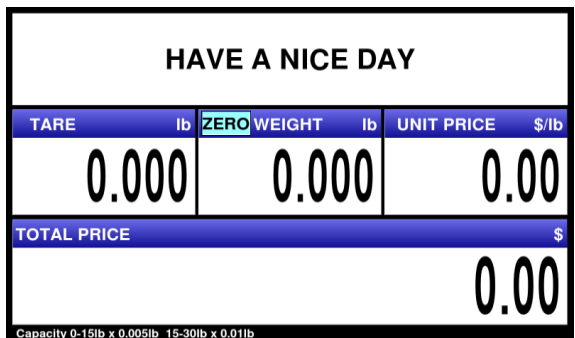


8.3.2 Check out settings

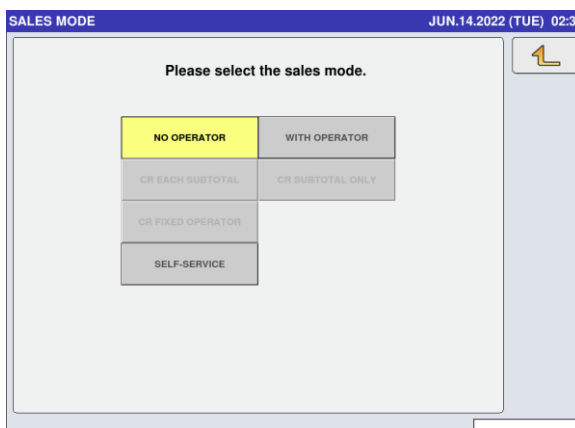
1. Turn on power.
2. To accurately check out setting of time and date and press [SET] button.



3. Check out layout of customer side display.



4. Check out SELES MODE.



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

MACHINE No. (IP ADDRESS) JUN.14.2022 (TUE) 02:34

IP ADDRESS 0.0.0.0	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 OFF ON
MAC ADDRESS 08:00:27:C4:8F:CE	

PING TO PC

BASIC IP ADDR. PC COM WIFI GLOBAL SV.

MACHINE No. (PC COM) JUN.14.2022 (TUE) 02:34

PC IP ADDRESS 0.0.0.0	PRESET FUNC. NAME REFER COM. DATA PLU
PC PORT No. 55201	TARE ADJUST NO YES
COM CHECK PERIOD (SEC) 0	PROD. TRAN. SEND NO SEND SEND
COM CHECK TIME OUT(SEC) 2	SALE TRAN. SEND NO SEND SEND
ERROR LOG SEND NO SEND SEND	CONNECTION CHECK METHOD SEQ. No. PING
FIELD NAME ENABLE DISABLE ENABLE	

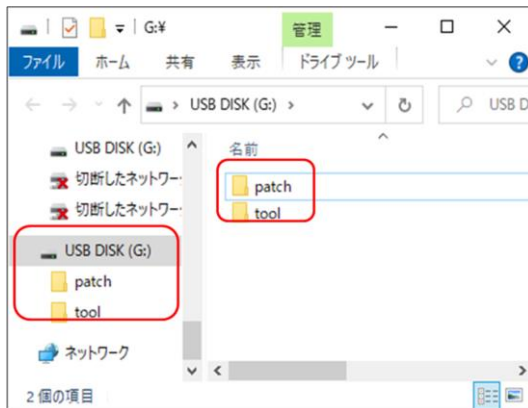
PING TO PC
RECEIVE CONTROL

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 label.
8. Testing satellite and master connection.
9. Check the system is normally operate to turn off and on.

8.4 Setup Maintenance Board

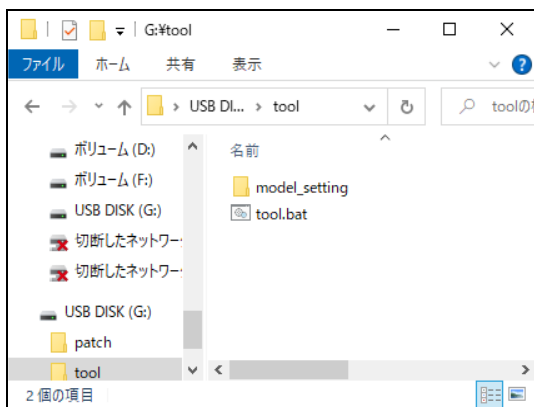
8.4.1 Soft update from new maintenance board.



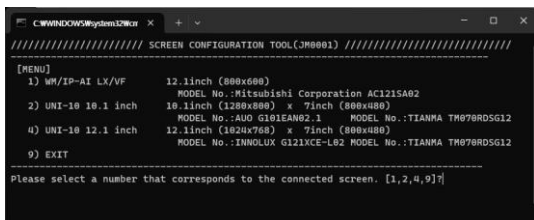
1. Prepare USB memory stick for update.

1) Prepare 1GB USB memory. (Made by HAGIWARA / Formatted in FAT 16KB)

2) Copy the shared "patch" folder, "tool" folder directly under USB memory.



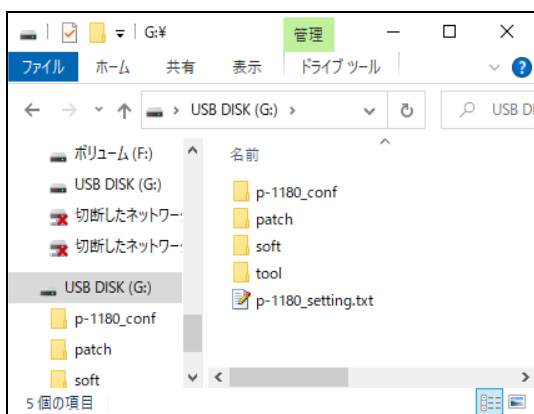
3) Run tool.bat in the "tool" folder.



4) Enter a number corresponding to the target device.

> "2" + [ENTER] : 10.1 inch

> "4" + [ENTER] : 12.1 inch



5) Verify that the "p-1180_conf" folder and the "p-1180_setting.txt" file exist.

6) Copy the Soft folder to USB.

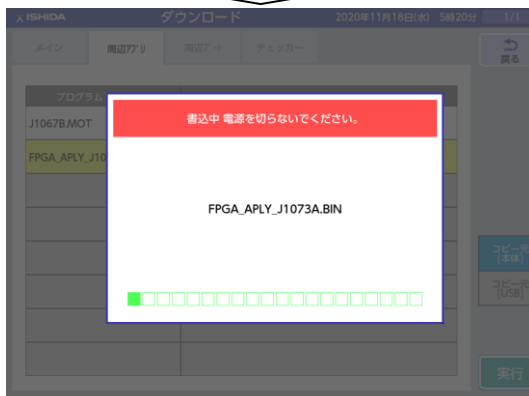
2. Plug the USB and turn on power.



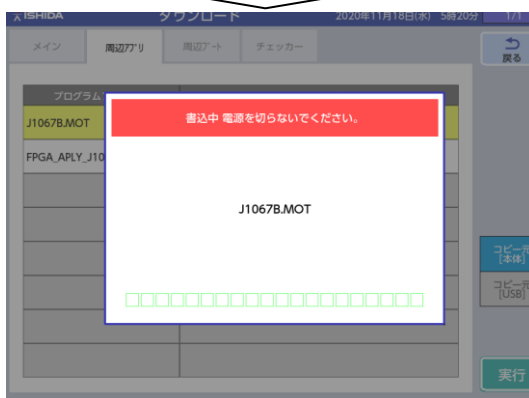
Restart



Restart



Restart



3. Starting to install files.

When the installation has succeeded, the system restarts.

(be all done automatically)

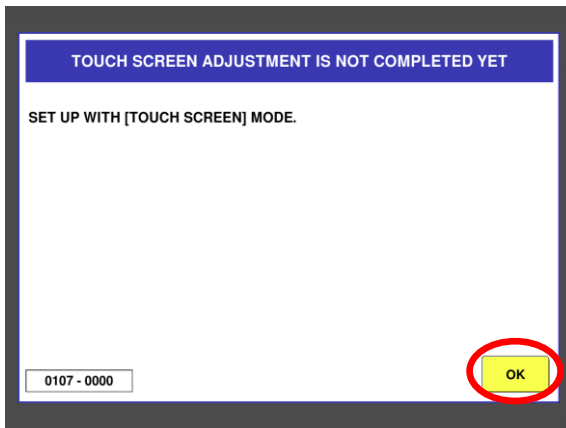
1) Allow approximately 1 minute for the " pyrrolirin♪ " sound to be heard before the system reboots.

2) The application installation begins.

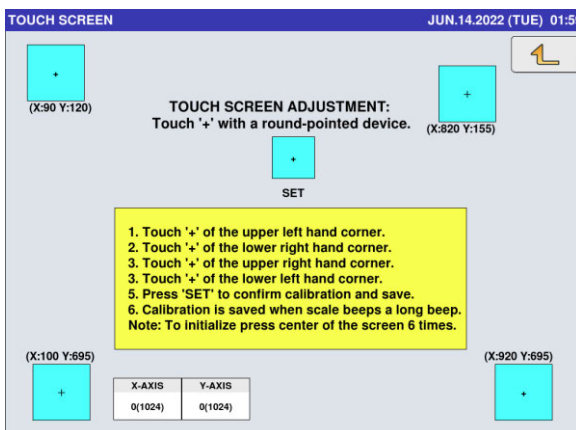
3) The FPGA and EC are automatically downloaded and the application is finally starting.

8.4.2 Setup Adjust Data

- If system data is deleted, a setting message is displayed.



1. Press [OK] button.



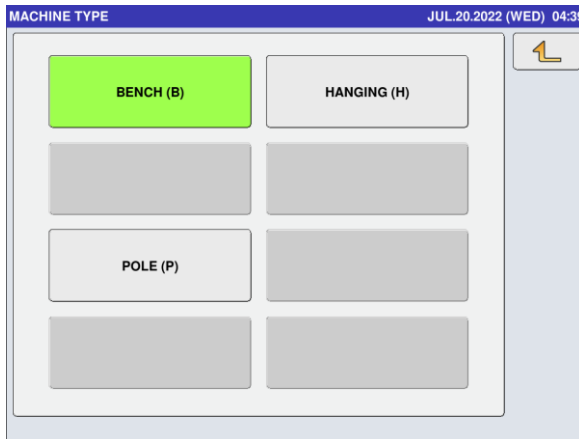
2. Adjust the touch screen.

3. Press  button to return menu screen.

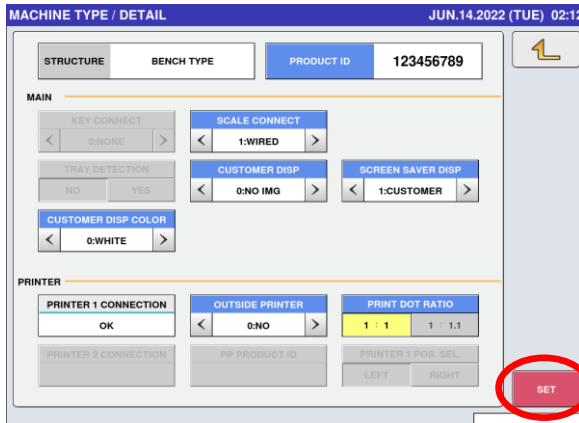
4. Press [ADJUST] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.



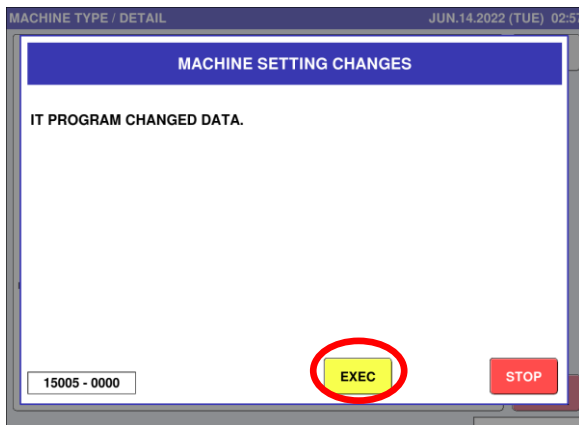
5. Select machine type on MACHINE TYPE screen.



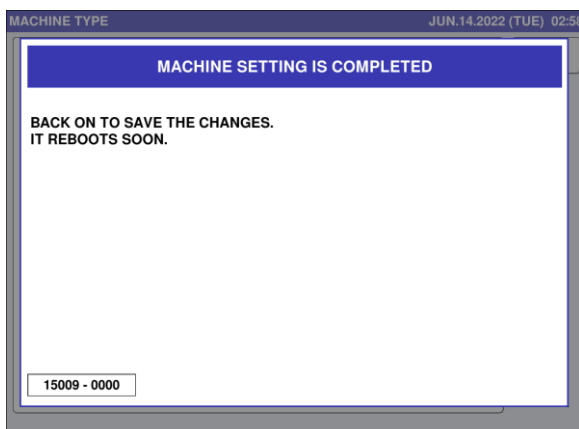
6. Press [SET] button.



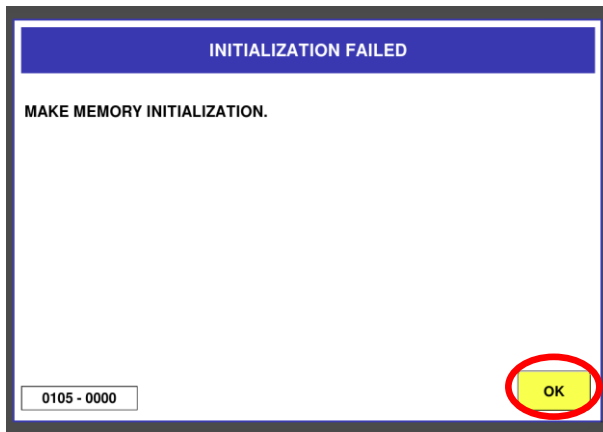
7. Press [EXEC] button



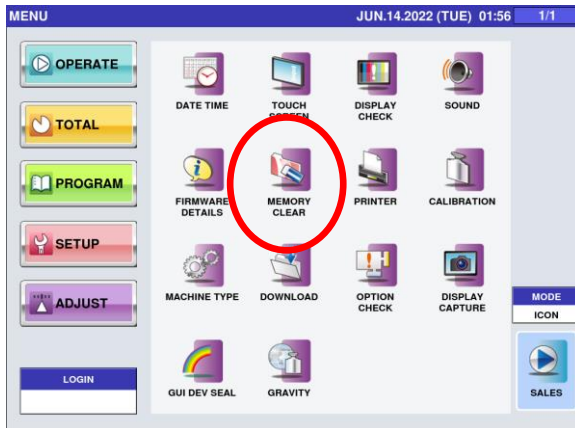
8. Restart system.



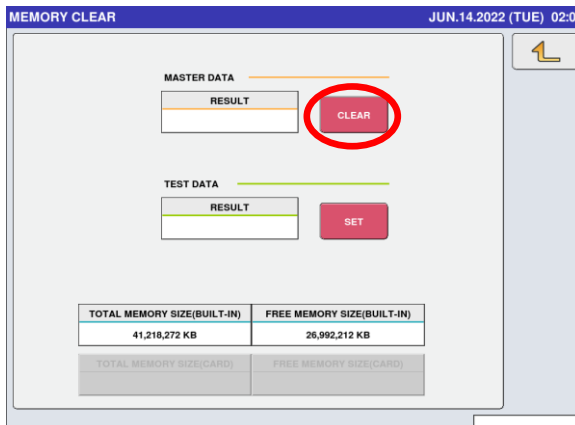
9. Press [OK] button.



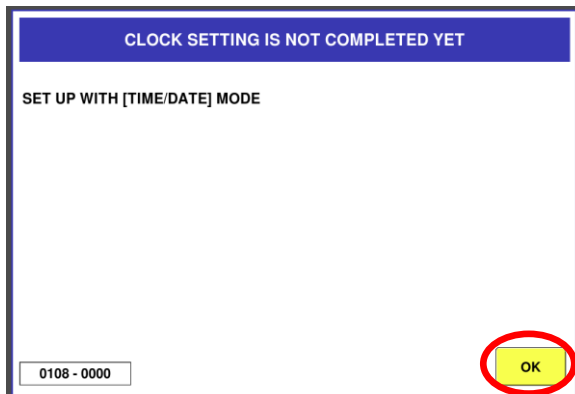
10. Login again and press [MEMORY CLEAR] button on ADJUST menu.



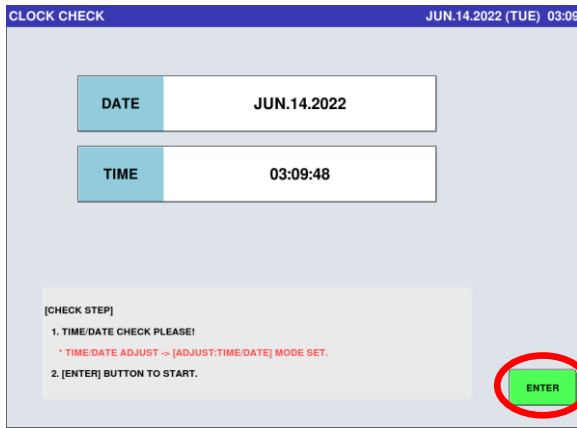
11. Press [CLEAR] button.



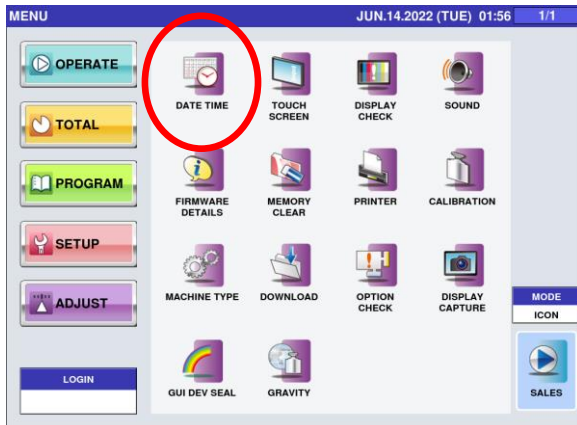
12. Press [OK] button.



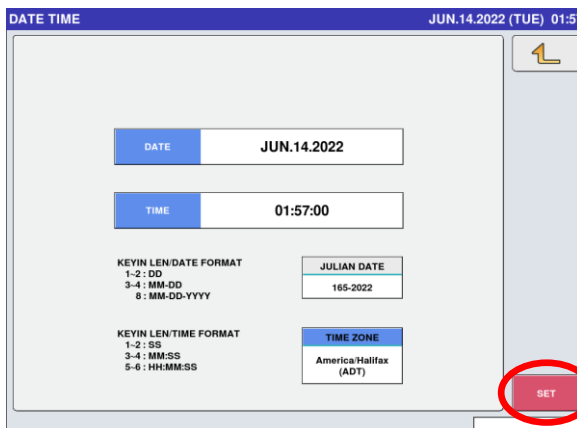
13. Press [ENTER] button.



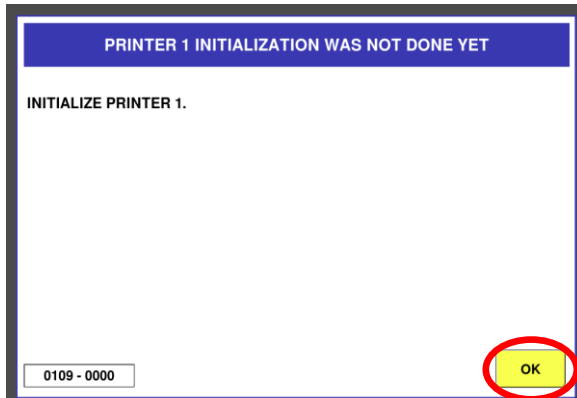
14. Press [DATE TIME] button on ADJUST menu.



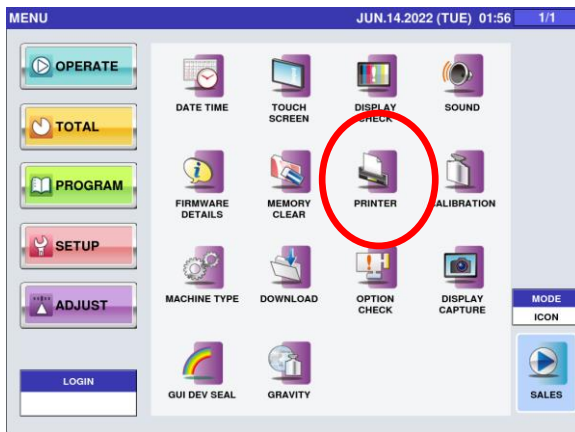
15. Set the current time and date and press [SET] button.



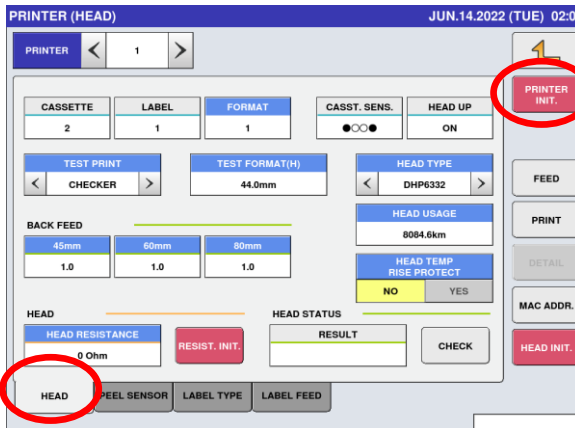
16. Press [OK] button.



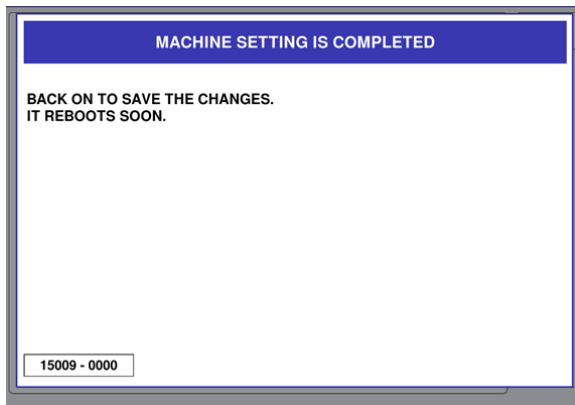
17. Press [PRINTER] button on ADJUST menu.



18. Select [HEAD] tab and press [PRINTER INIT.] button.

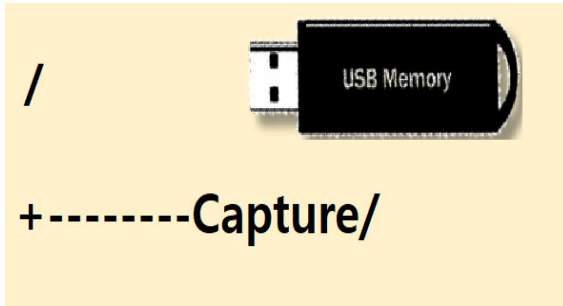


19. Restart and complete.

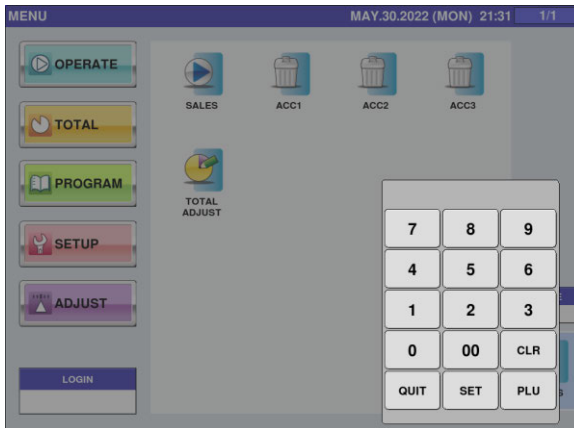


8.5 Screen Capture

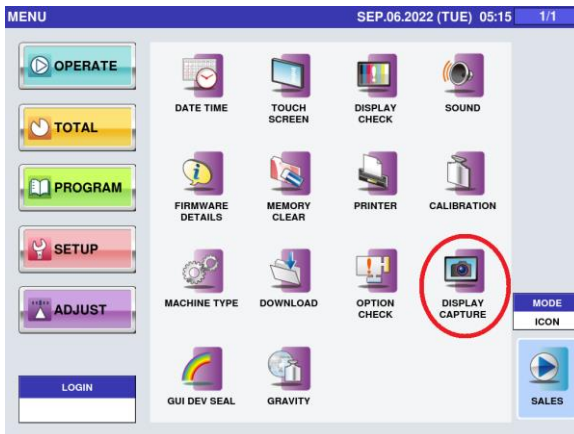
8.5.1 Screen Capture Method.



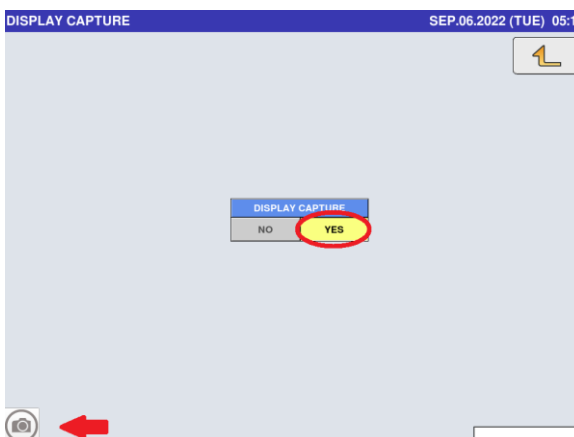
1. Create a "Capture" folder in USB memory.
2. Attach the USB memory to the UNI-10.



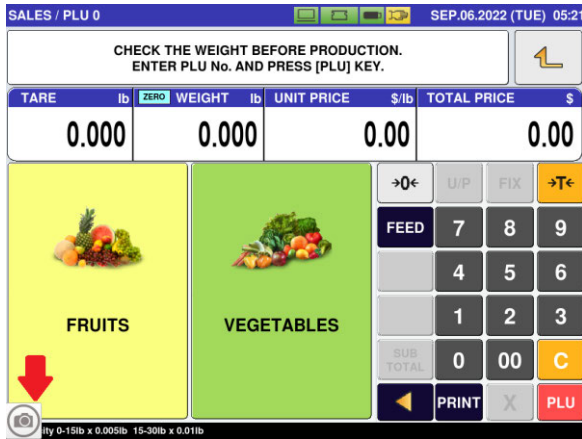
3. Press [ADJUST] and [LOGIN] button, then input password "495344" using numerical keys, and press [SET] button.



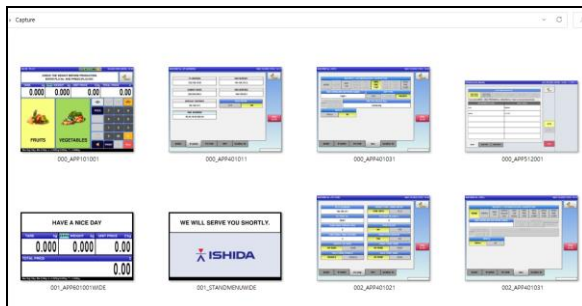
4. Press [DISPLAY CAPTURE] button.



5. If the DISPLAY CAPTURE menu is set to YES, the camera is displayed in the lower left corner.



6. Go to the screen you want to capture and press the camera button.

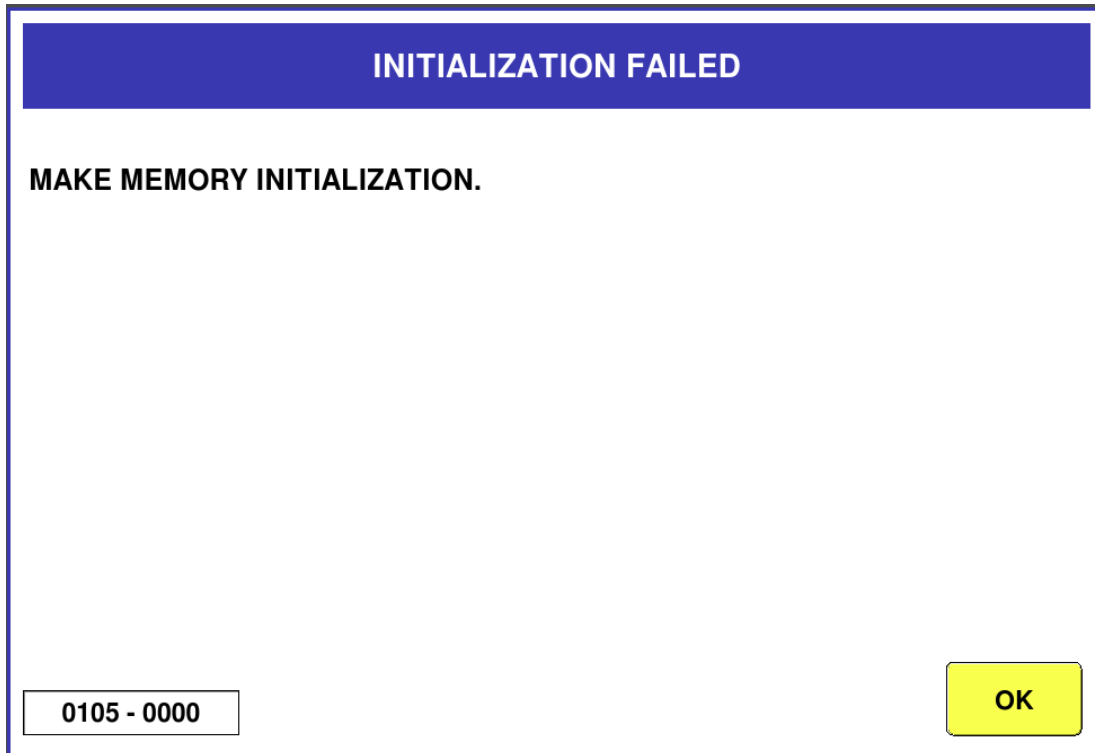


7. Check the captured screen image in the "Capture" folder in USB.

Chapter 9 Error Condition

9.1 System Error

9.1.1 INITIALIZATION FAILED (0105)



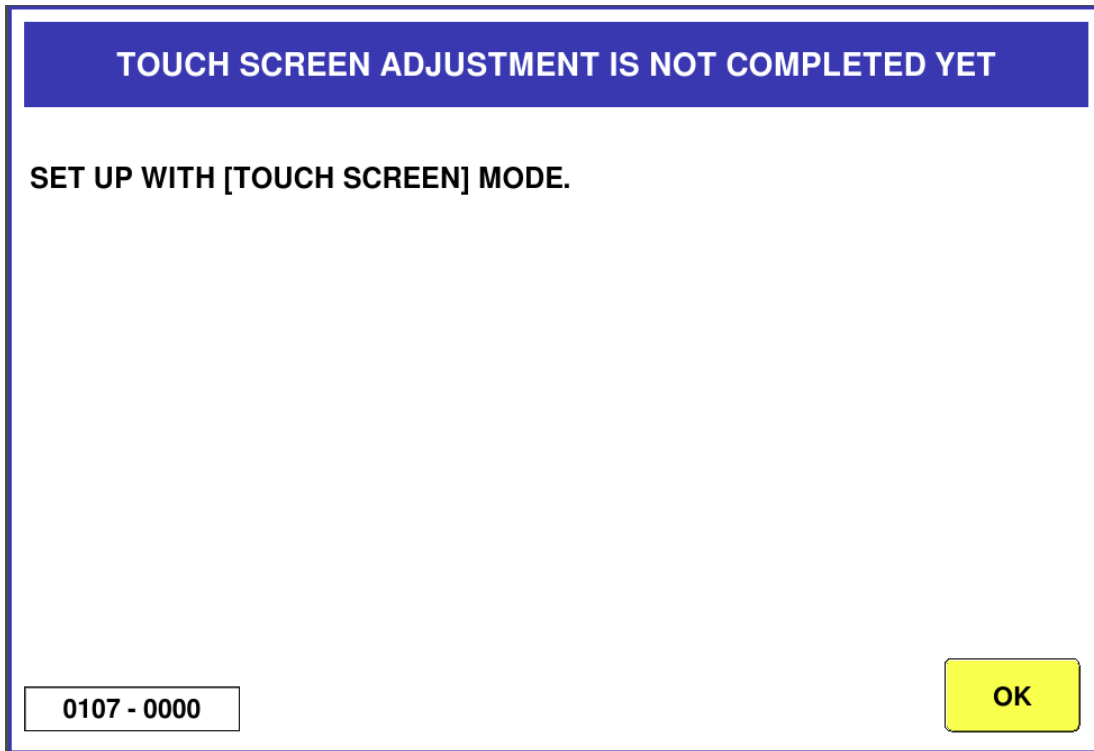
Category	Specification
ERROR CONTENT	Initializes memory is not.
DETAILS	Not to the initialization of the memory.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Memory by initialization.
RELATED PLACES	Main board
REMARK	On the [ADJUST: MEMORY CLEAR] screen, memory clear is required.

9.1.2 BATTERY IS FAULT (0106)

BATTERY IS FAULT	
BATTERY SWITCH IS OFF OR NO MORE BATTERY.	
0106 - 0000	OK

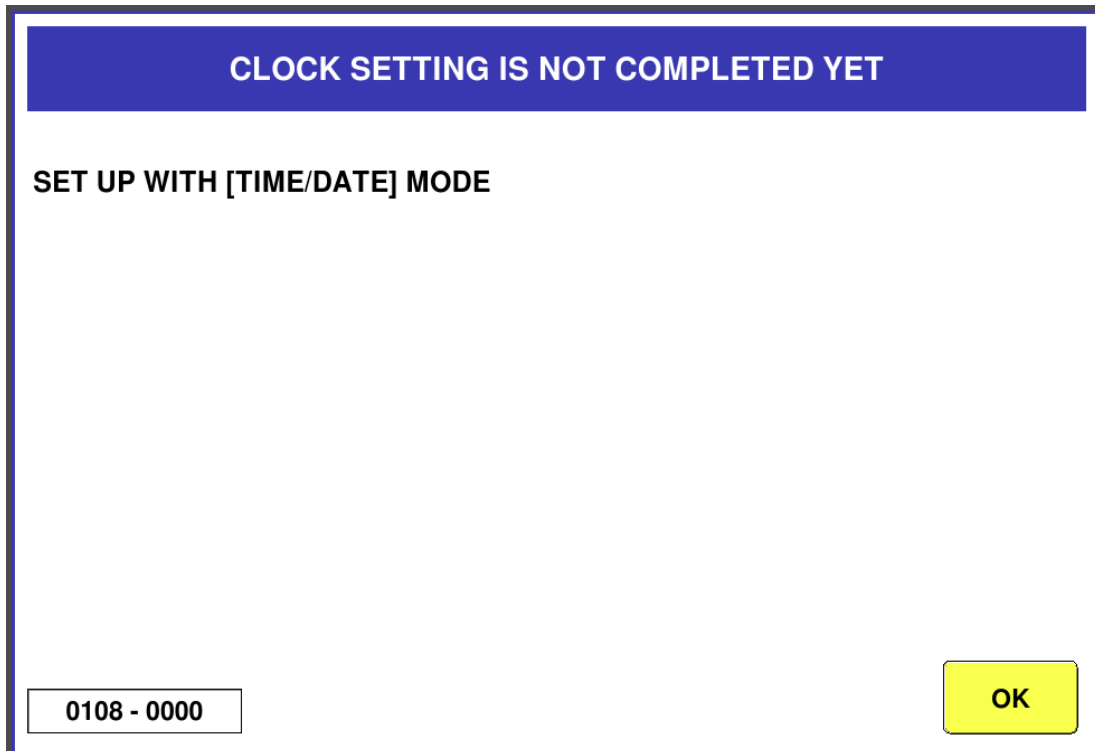
Category	Specification
ERROR CONTENT	Battery is abnormal.
DETAILS	Battery on the board is dead.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Check the battery on the main board Check the battery switch on the main board
RELATED PLACES	Main board
REMARK	Please turn off the appliances and replace the battery on the board. Please check the battery switch.

9.1.3 TOUCH SCREEN ADJUSTMENT IS NOT COMPLETED YET (0107)



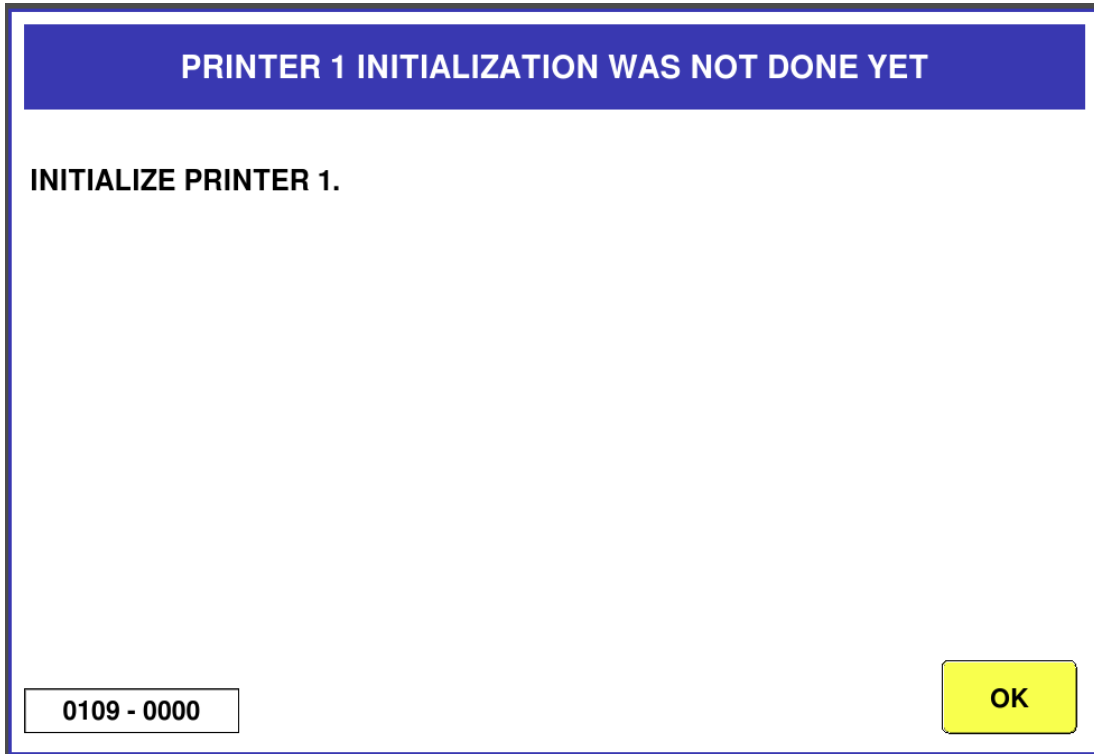
Category	Specification
ERROR CONTENT	Touch panel adjustment is not complete.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	Touch panel adjustment
SERVICE ACTION	Touch panel adjustment
RELATED PLACES	Main board Display board
REMARK	[ADJUST: TOUCH SCREEN] Adjustment is required on the screen.

9.1.4 CLOCK SETTING IS NOT COMPLETED YET (0108)



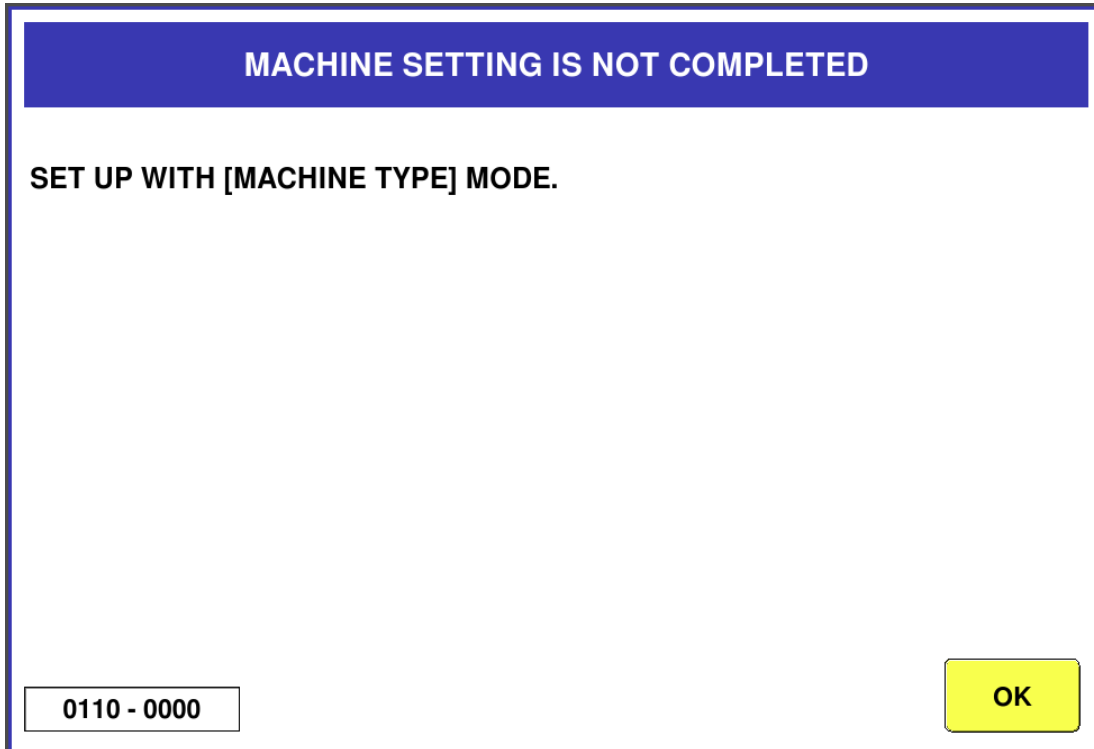
Category	Specification
ERROR CONTENT	Clock setup is not complete.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	Implementation of date/time adjustment
SERVICE ACTION	Implementation of date/time adjustment
RELATED PLACES	Main board
REMARK	[ADJUST: DATE TIME] You need to adjust it on the screen.

9.1.5 PRINTER INITIALIZATION WAS NOT DONE YET (0109)



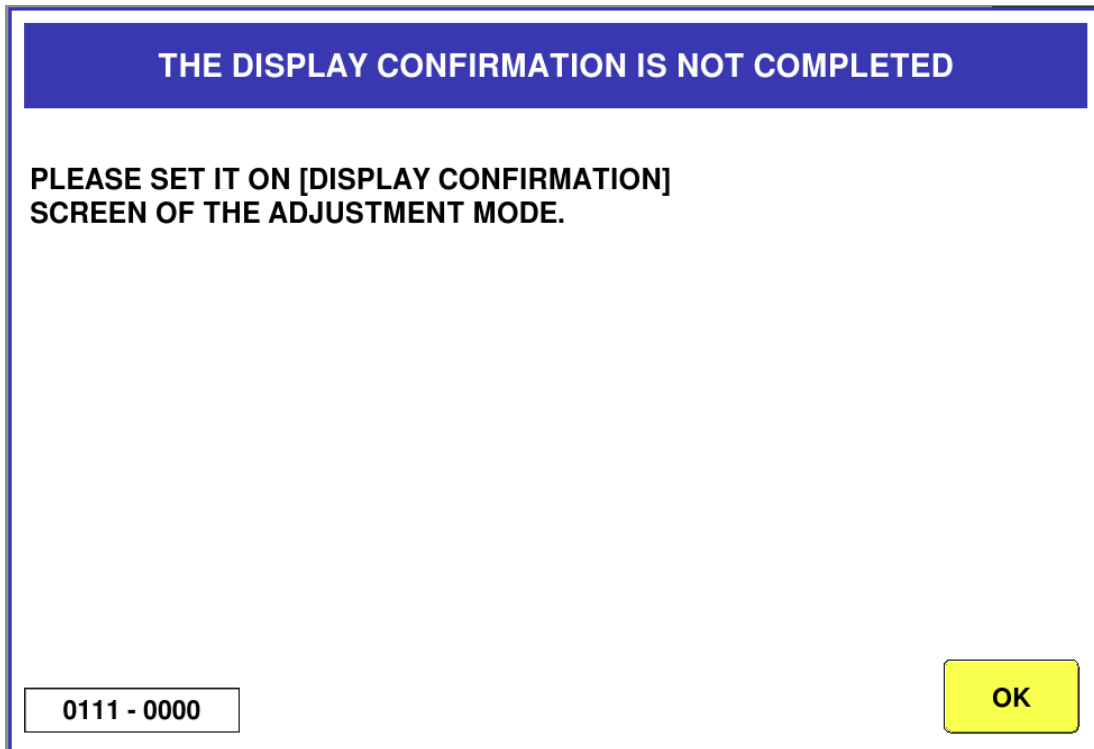
Category	Specification
ERROR CONTENT	Printer has not completed initialization.
DETAILS	Printer unit is separated by a sub error number.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Perform Printer Initialization
RELATED PLACES	Main board
REMARK	The title "Printer No. 1" depends on the suberror number. [ADJUST: PRINTER] Screen requires printer initialization

9.1.6 MACHINE SETTING IS NOT COMPLETED (0110)



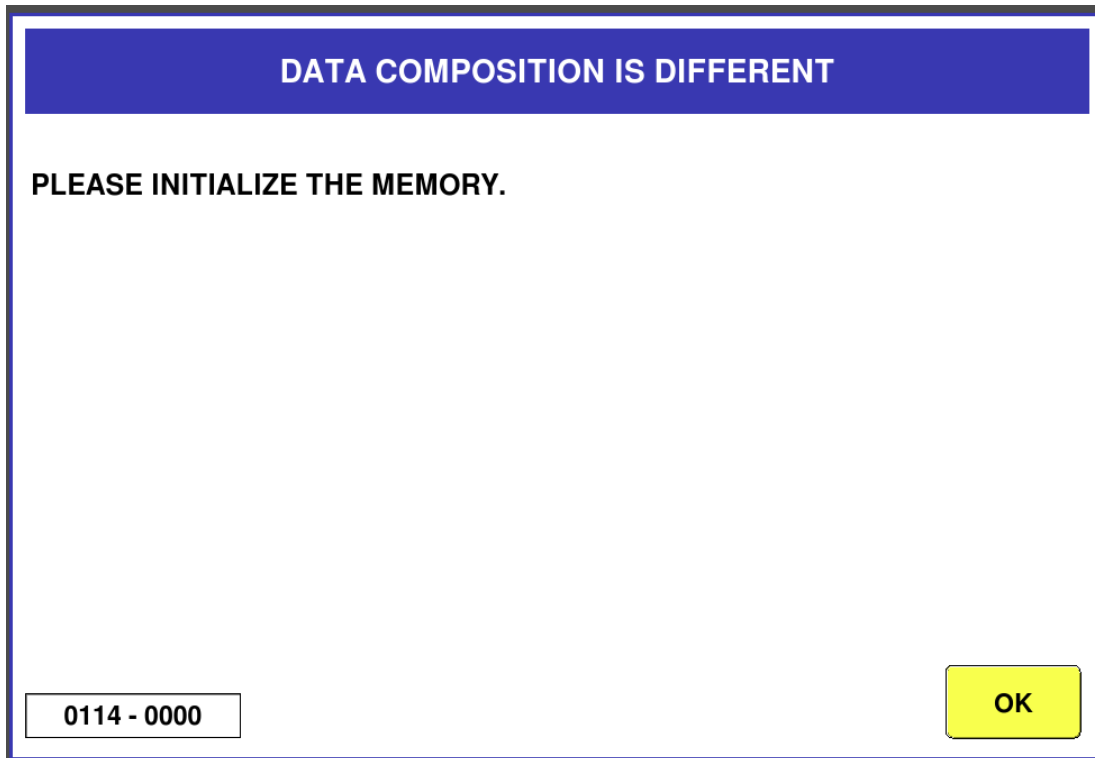
Category	Specification
ERROR CONTENT	The configuration of the machine is not completely.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Implementation of model settings
RELATED PLACES	Main board
REMARK	[ADJUST: MACHINE TYPE] You need to set the model on the screen.

9.1.7 THE DISPLAY CONFIRMATION IS NOT COMPLETED (0111)



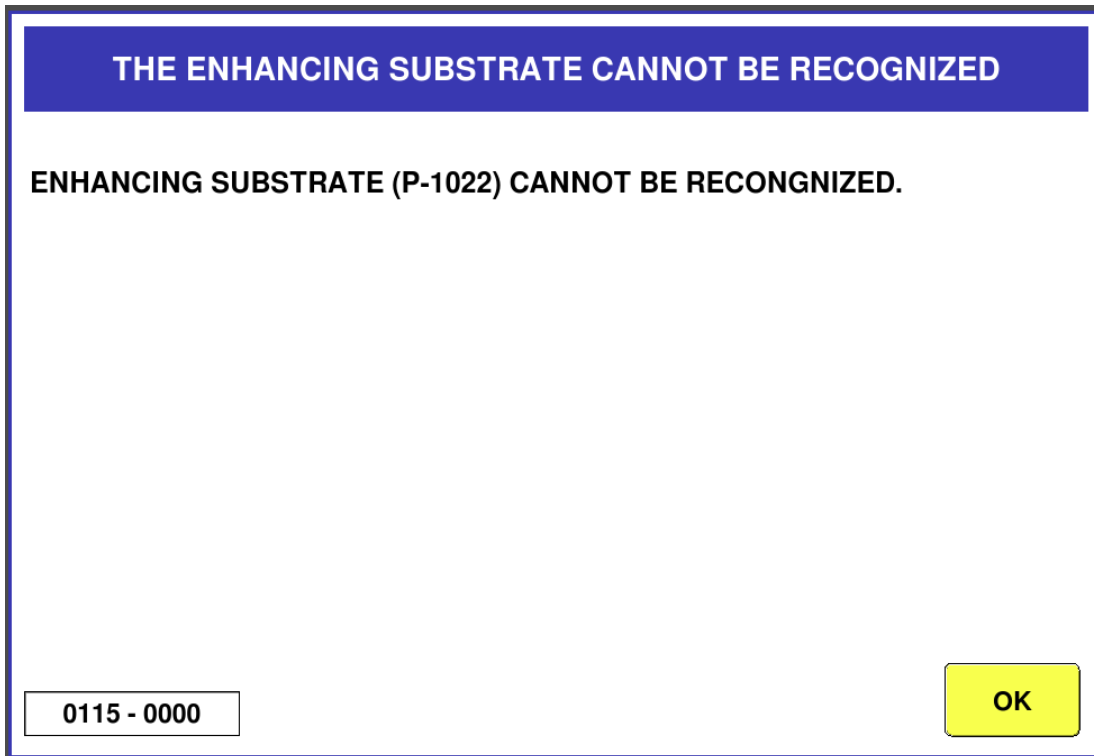
Category	Specification
ERROR CONTENT	The display confirmation configuration is not complete.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Configuring Display Settings
RELATED PLACES	Main board
REMARK	[ADJUST: DISPLAY CHECK] Brightness needs to be adjusted on the screen

9.1.8 DATA COMPOSITION IS DIFFERENT (0114)



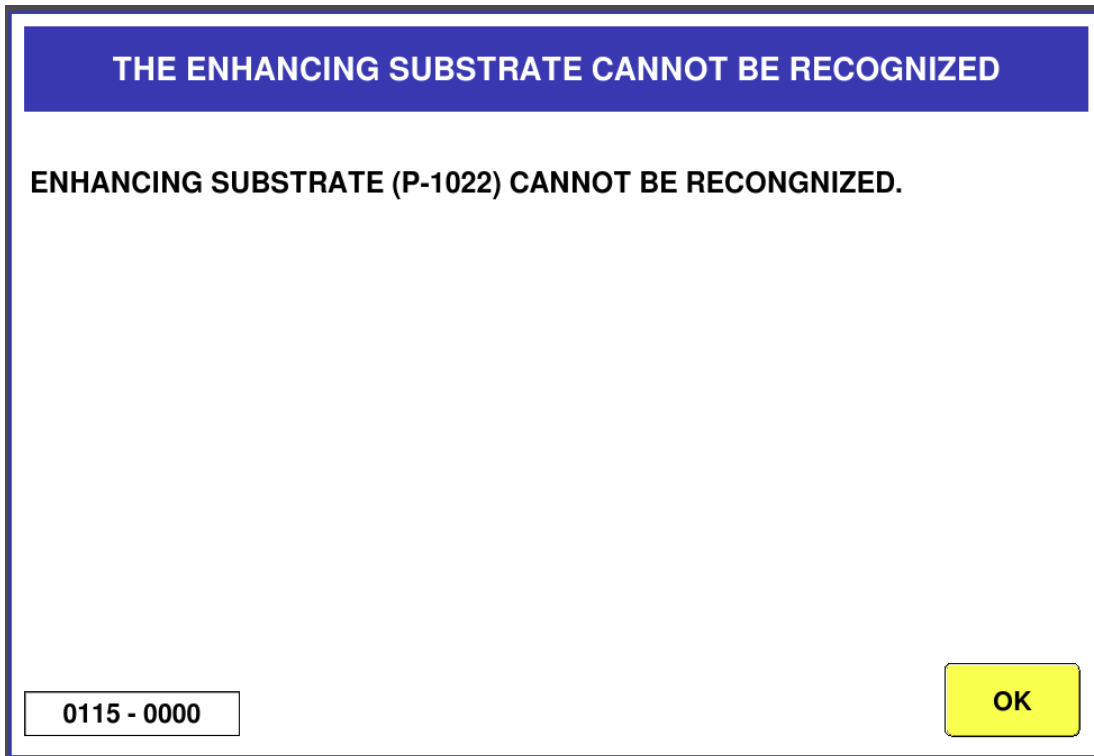
Category	Specification
ERROR CONTENT	Data configuration is different.
DETAILS	Database data configuration is different.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Master return after memory initialization
RELATED PLACES	Main board
REMARK	[ADJUST: MEMORY CLEAR] Please clear the master data on the screen. Database structure has changed.

9.1.9 THE ENHANCING SUBSTRATE CANNOT BE RECOGNIZED (0115)



Category	Specification
ERROR CONTENT	Expansion board not recognized.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Checking the P-1022 Board Connectivity
RELATED PLACES	Main board P-1022 Board
REMARK	Connect the expansion board (P-1022) and reboot. When not connected, it operates without an expansion board.

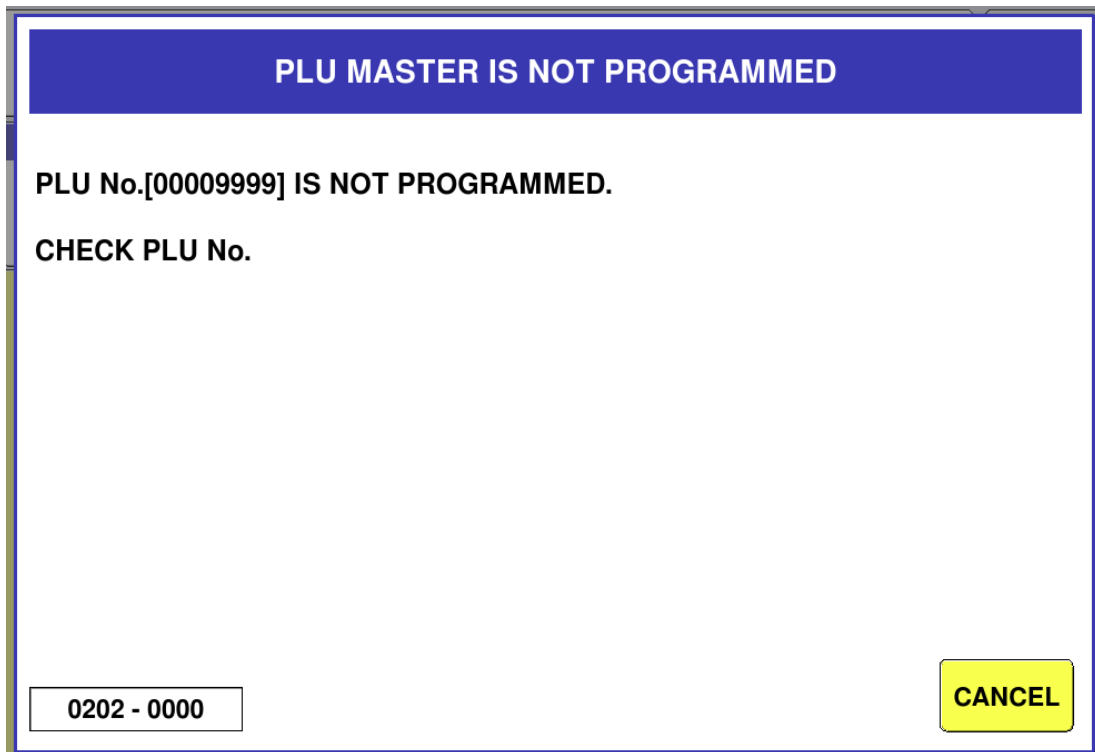
9.1.10 THE ENHANCING SUBSTRATE CANNOT BE RECOGNIZED (0117-0000)



Category	Specification
ERROR CONTENT	Expansion board not recognized.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Checking the P-1022 Board Connectivity
RELATED PLACES	Main board P-1022 Board
REMARK	Connect the expansion board (P-1022) and reboot. When not connected, it operates without an expansion board.

9.2 Memory System Error

9.2.1 PLU MASTER IS NOT PROGRAMMED (0202)



Category	Specification
ERROR CONTENT	The recalled commodity master is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[CANCEL] Button
USER ACTION	Reaffirmation of Called Item Number Add Product Master
SERVICE ACTION	Master confirmation Setup mode (production):verifying product auto-deletion settings
RELATED PLACES	Main board
REMARK	Recalled item No. is displayed.

9.2.2 POP MASTER IS NOT PROGRAMMED (0202)

POP MASTER IS NOT PROGRAMMED

POP No.[33] IS NOT PROGRAMMED.

DELETE IT?

0203 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	POP master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the POP No. of the commodity master. [STOP] Button -> Error cancellation only.
USER ACTION	Reconfirming the POP Call Number Add POP Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called POP No. is displayed. If POP No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence.

9.2.3 ORIGIN MASTER IS NOT PROGRAMMED (0204)

ORIGIN MASTER IS NOT PROGRAMMED

COUNTRY OF ORIGIN No. [33] IS NOT PROGRAMMED.

DELETE IT?

0204 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	ORIGIN master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the ORIGIN No. of the commodity master. [STOP] Button -> Error cancellation only.
USER ACTION	Reconfirming the ORIGIN Call Number Add ORIGIN Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called ORIGIN No. is displayed. If ORIGIN No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence.

9.2.4 PRIMARY MATERIAL MASTER IS NOT PROGRAMMED (0205)

PRIMARY MATERIAL MASTER IS NOT PROGRAMMED

MATERIAL No. [99999999] IS NOT PROGRAMMED.

DELETE IT?

0205 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	PRIMARY MATERIAL master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the PRIMARY MATERIAL No. of the commodity master. [STOP] Button -> Error cancellation only.
USER ACTION	Reconfirming the PRIMARY MATERIAL Call Number Add PRIMARY MATERIAL Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called PRIMARY MATERIAL No. is displayed. If PRIMARY MATERIAL No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence.

9.2.5 STORAGE CONDISTION MASTER IS NOT PROGRAMMED (0206)

STORAGE CONDISTION MASTER IS NOT PROGRAMMED

PRESERVATION WAY No. [99] IS NOT PROGRAMMED.

DELETE IT?

0206 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	STORAGE CONDISTION master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the PRESERVATION WAY No. of the commodity master. [STOP] Button -> Error cancellation only.
USER ACTION	Reconfirming the STORAGE CONDISTION Call Number Add STORAGE CONDISTION Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called PRESERVATION WAY No. is displayed. If PRESERVATION WAY No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence.

9.2.6 TEMPERATURE MASTER IS NOT PROGRAMMED (0207)

TEMPERATURE MASTER IS NOT PROGRAMMED

TEMPERATURE No. [99] IS NOT PROGRAMMED.

DELETE IT?

0207 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	TEMPERATURE master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the TEMPERATURE No. of the commodity master. [STOP] Button -> Error cancellation only.
USER ACTION	Reconfirming the TEMPERATURE Call Number Add TEMPERATURE Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called TEMPERATURE No. is displayed. If TEMPERATURE No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence.

9.2.7 FREE MSG.1 MASTER IS NOT PROGRAMMED (0212)

MASTER ISN'T REGISTERED

FREE MSG.1 No. [009999] ISN'T PROGRAMMED.

DELETE IT?

0212 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.1 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.1 No. [DELETE] Button -> Delete the FREE MSG.1 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.1 Call Number Add FREE MSG.1 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.1 No. is displayed. If FREE MSG.1 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.8 FREE MSG.2 MASTER IS NOT PROGRAMMED (0213)

MASTER ISN'T REGISTERED

FREE MSG.2 No. [009999] ISN'T PROGRAMMED.

DELETE IT?

0213 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.2 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.2 No. [DELETE] Button -> Delete the FREE MSG.2 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.2 Call Number Add FREE MSG.2 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.2 No. is displayed. If FREE MSG.2 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.9 FREE MSG.3 MASTER IS NOT PROGRAMMED (0214)

MASTER ISN'T REGISTERED

FREE MSG.3 No. [009999] ISN'T PROGRAMMED.

DELETE IT?

0214 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.3 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.3 No. [DELETE] Button -> Delete the FREE MSG.3 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.3 Call Number Add FREE MSG.3 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.3 No. is displayed. If FREE MSG.3 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.10 FREE MSG.4 MASTER IS NOT PROGRAMMED (0215)

MASTER ISN'T REGISTERED

FREE MSG.4 No. [009999] ISN'T PROGRAMMED.

DELETE IT?

0215 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.4 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.4 No. [DELETE] Button -> Delete the FREE MSG.4 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.4 Call Number Add FREE MSG.4 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.4 No. is displayed. If FREE MSG.4 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.11 FREE MSG.5 MASTER IS NOT PROGRAMMED (0216)

MASTER ISN'T REGISTERED

FREE MSG.5 No. [009999] ISN'T PROGRAMMED.

DELETE IT?

0216 - 0000

SET

DELETE

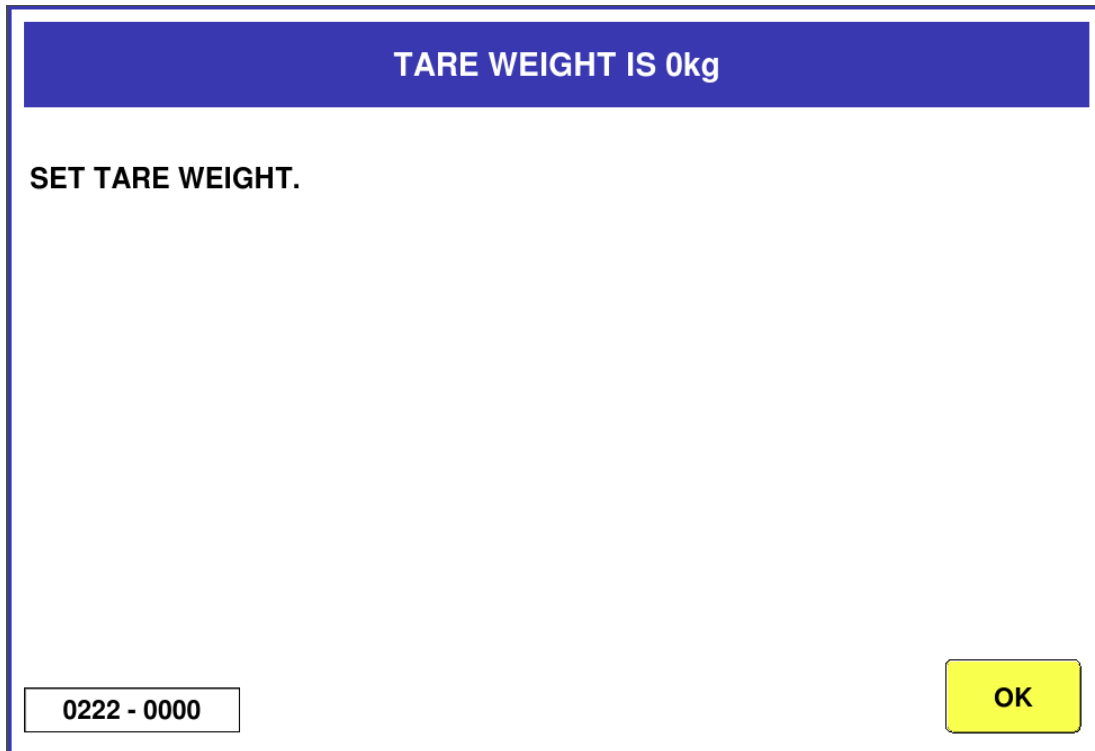
Category	Specification
ERROR CONTENT	FREE MSG.5 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.5 No. [DELETE] Button -> Delete the FREE MSG.5 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.5 Call Number Add FREE MSG.5 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.5 No. is displayed. If FREE MSG.5 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.12 TARE LIMIT OVER (MAX 2,999g) (0221)

TARE LIMIT OVER (MAX 2,999kg)	
<p>TARE LIMIT OVER (MAX 2,999kg).</p> <p>RE-SET TARE. WHEN YOU RELEASE ERROR, TARE WEIGHT IS CLEARED (0,00kg).</p>	
0221 - 0002	<div style="background-color: yellow; border: 1px solid black; padding: 5px; display: inline-block;">OK</div>

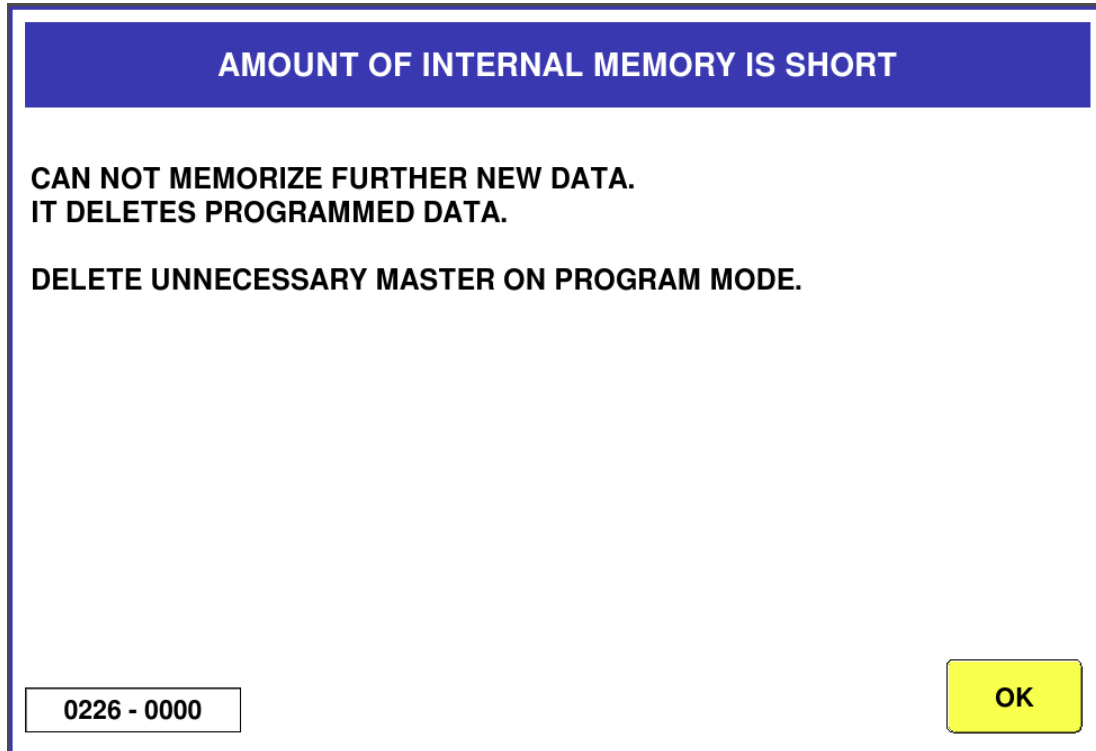
Category	Specification
ERROR CONTENT	Tare is greater than 2,999kg.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	Verifying the TARE Configuration.
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	After the error is cleared, the weight of the accessory material is cleared.

9.2.13 TARE WEIGHT IS 0kg (0222)



Category	Specification
ERROR CONTENT	TARE weight not set.
DETAILS	-
CANCELLATION METHOD	[OK] Button
USER ACTION	Verifying the TARE Configuration.
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	TARE weight not set error [No Display] does not occur.

9.2.14 AMOUNT OF INTERNAL MEMORY IS SHORT (0226)



Category	Specification
ERROR CONTENT	Insufficient internal memory.
DETAILS	Error screen is displayed when memory capacity is insufficient when storing each master in a database.
CANCELLATION METHOD	[OK] Button Also, unnecessary data are erased by each master.
USER ACTION	Remove Unnecessary Master.
SERVICE ACTION	Remove Unnecessary Master.
RELATED PLACES	Main board
REMARK	Each master number is displayed in the sub-error.

9.2.15 AMOUNT OF INTERNAL MEMORY FOR TOTAL IS FULL (0227)

AMOUNT OF INTERNAL MEMORY FOR TOTAL IS FULL

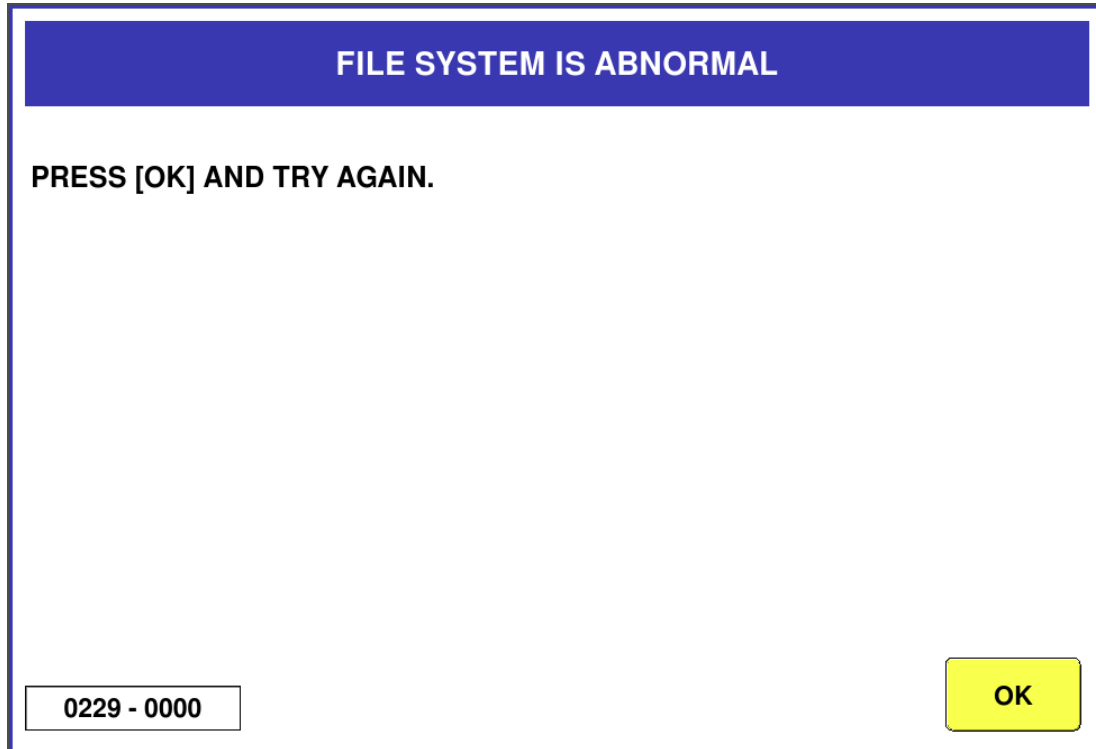
IT DOES NOT ADD PREVIOUS PLU.
AFTER OUTPUTING NECESSARY TOTAL, CLEAR THE TOTAL.

0227 - 0000

OK

Category	Specification
ERROR CONTENT	Internal aggregation memory is full.
DETAILS	Error screen is displayed when the internal memory is insufficient when the production result is stored at the completion of production.
CANCELLATION METHOD	Press [OK] Button
USER ACTION	Total data are deleted. Remove unnecessary master.
SERVICE ACTION	Remove Unnecessary Master.
RELATED PLACES	Main board
REMARK	-

9.2.16 FILE SYSTEM IS ABNORMAL (0229)



Category	Specification
ERROR CONTENT	Internal file is abnormal.
DETAILS	From the program download (main) Copy source, copy destination, delete destination Access to program files failed.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	Check the internal master. Memory initialization is performed.After the memory is initialized, backup data is input.
RELATED PLACES	Main board
REMARK	Copy source, Copy destination, Destination to be deleted Please check the program file.

9.2.17 CALORY MASTER IS NOT PROGRAMMED (0259)

CALORY MASTER IS NOT PROGRAMMED

CAROLY No. [99999999] IS NOT PROGRAMMED.

DELETE IT?

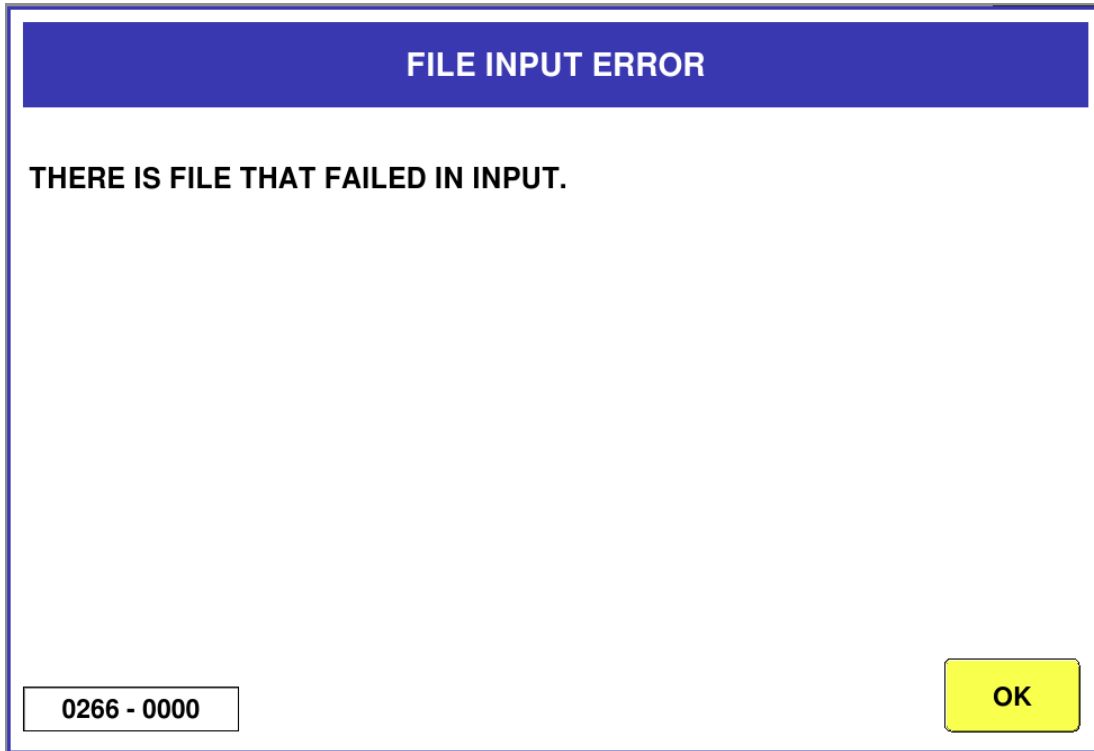
0259 - 0000

EXEC

STOP

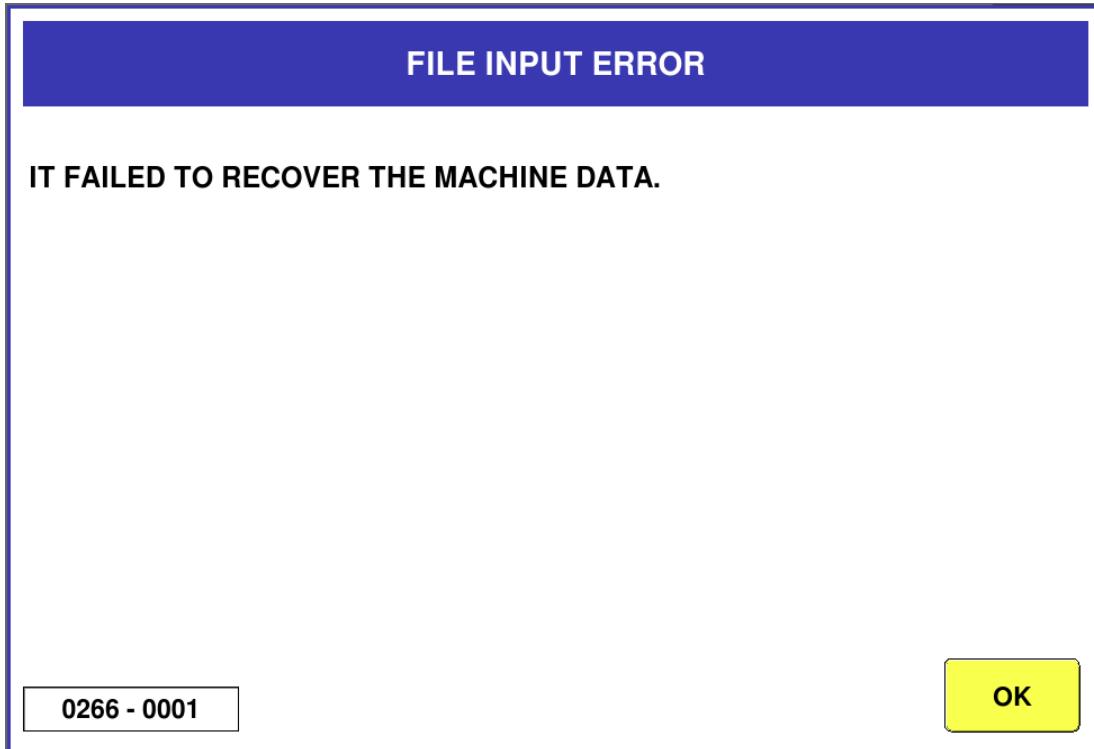
Category	Specification
ERROR CONTENT	The caloric master called is not registered.
DETAILS	It does not exist in the internal master.
CANCELLATION METHOD	[EXEC] Button -> Delete the product master's calorie No. [STOP] Button -> Error release only.
USER ACTION	Reconfirm Calorie Master Calling Number Adding a Calorie Master
SERVICE ACTION	Check Master.
RELATED PLACES	Main board
REMARK	<ul style="list-style-type: none"> · The caloric number called is displayed. · Calorie No. If the automatic product update is 'None', the product master is not changed. · In [SETUP: ERROR PROCESS (CALL)], it is possible to change the presence or absence of error display of an error.

9.2.18 FILE INPUT ERROR (0266)



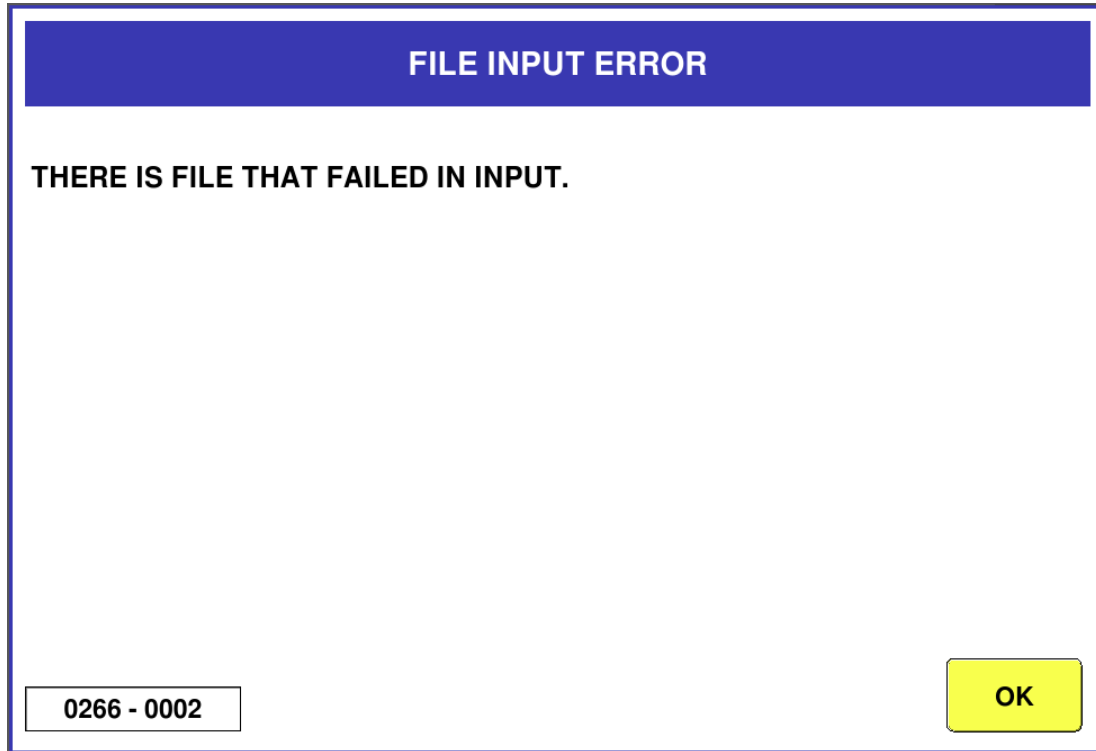
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (USB>SCALE)] File input from external device to internal failed.
DETAILS	The input data is separated by a sub-error number. 0000: Master Data
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.19 FILE INPUT ERROR (0266-0001)



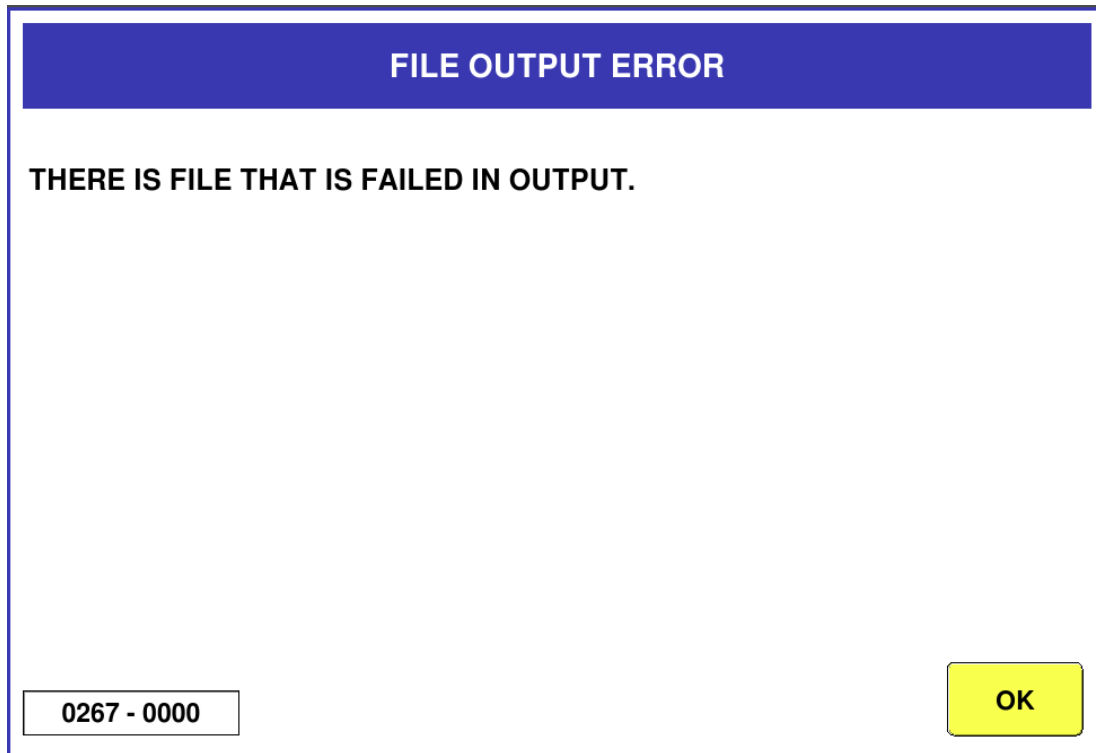
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (USB>SCALE)] File input from external device to internal failed.
DETAILS	The input data is separated by a sub-error number.
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.20 FILE INPUT ERROR (0266-0002)



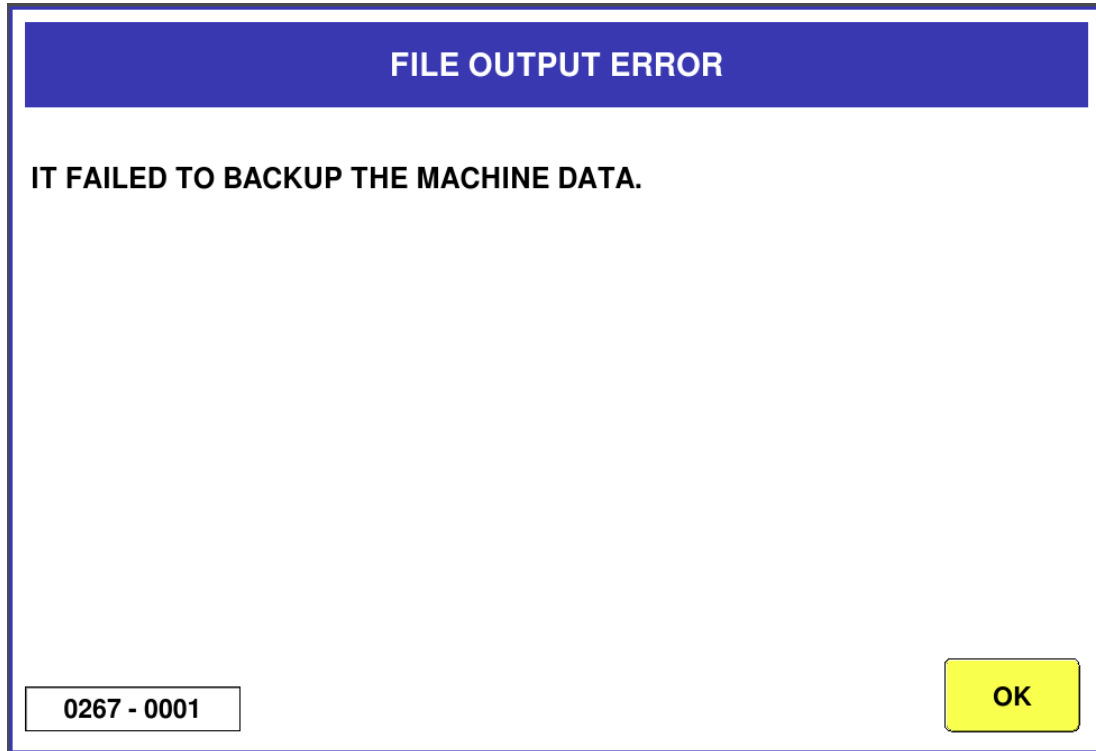
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (USB>SCALE)] File input from external device to internal failed.
DETAILS	The input data is separated by a sub-error number. 0002 : Master Data (Full Master Target)
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.21 FILE OUTPUT ERROR (0267-0000)



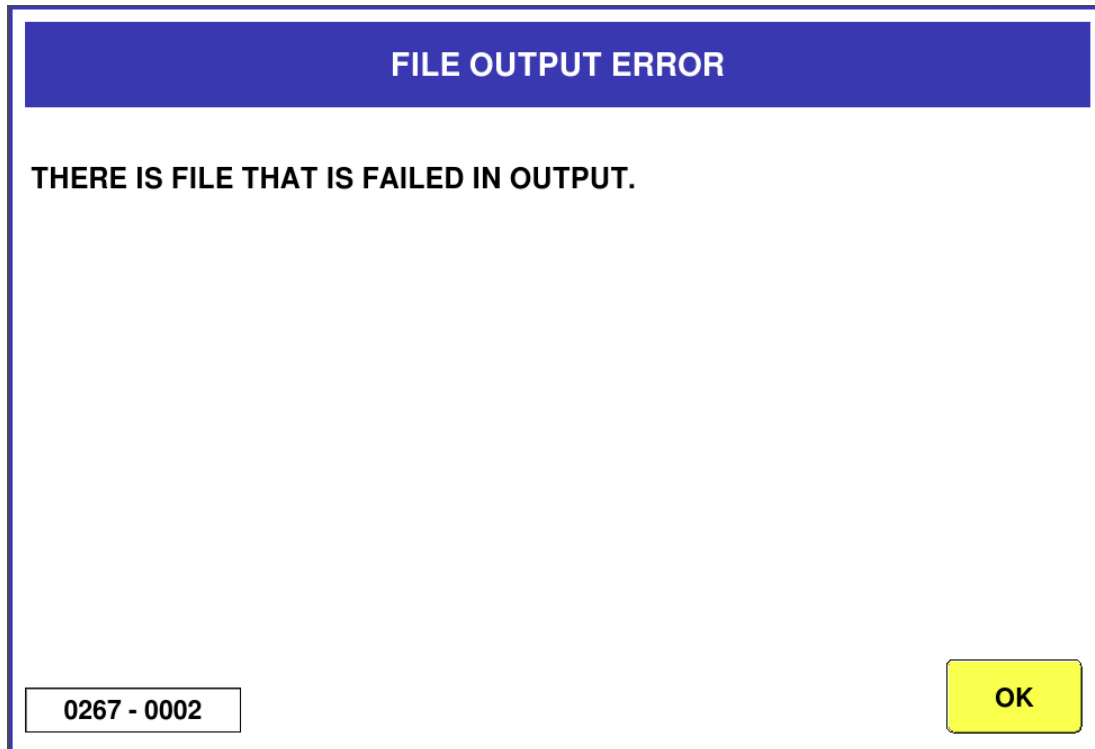
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (SCALE>USB)] File output from inside to external device fails.
DETAILS	The output data is separated by a sub-error number. 0000: Master Data
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.22 FILE OUTPUT ERROR (0267-0001)



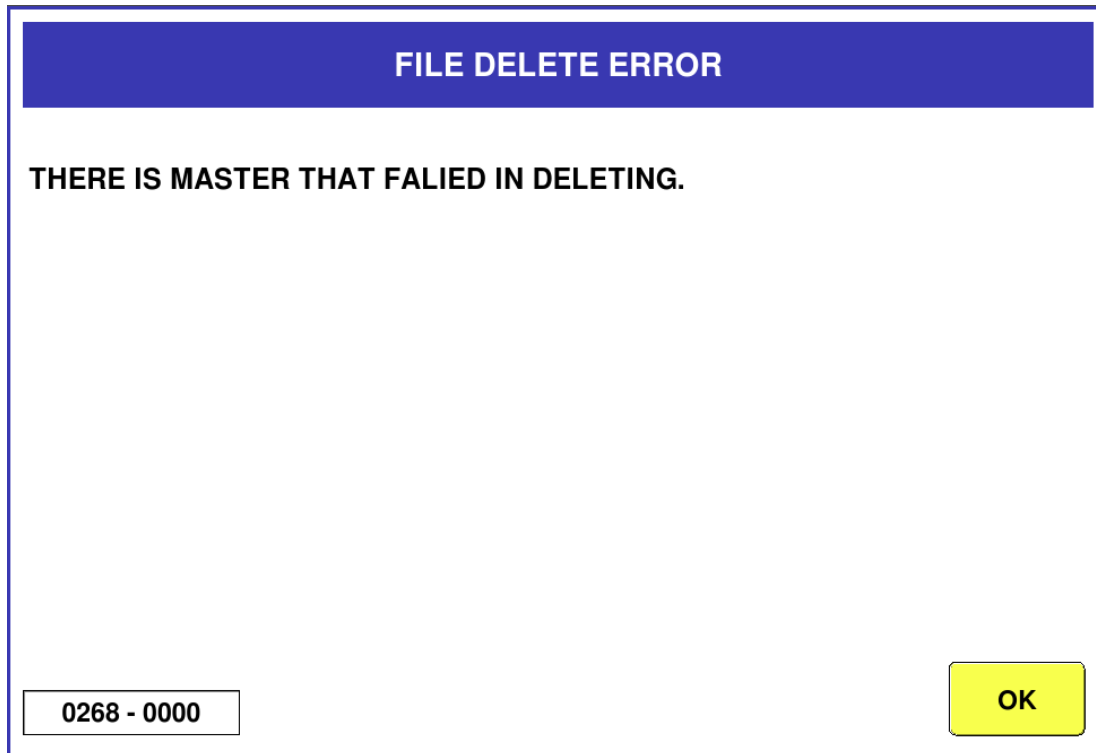
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (SCALE>USB)] File output from inside to external device fails.
DETAILS	The output data is separated by a sub-error number.
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.23 FILE OUTPUT ERROR (0267-0002)



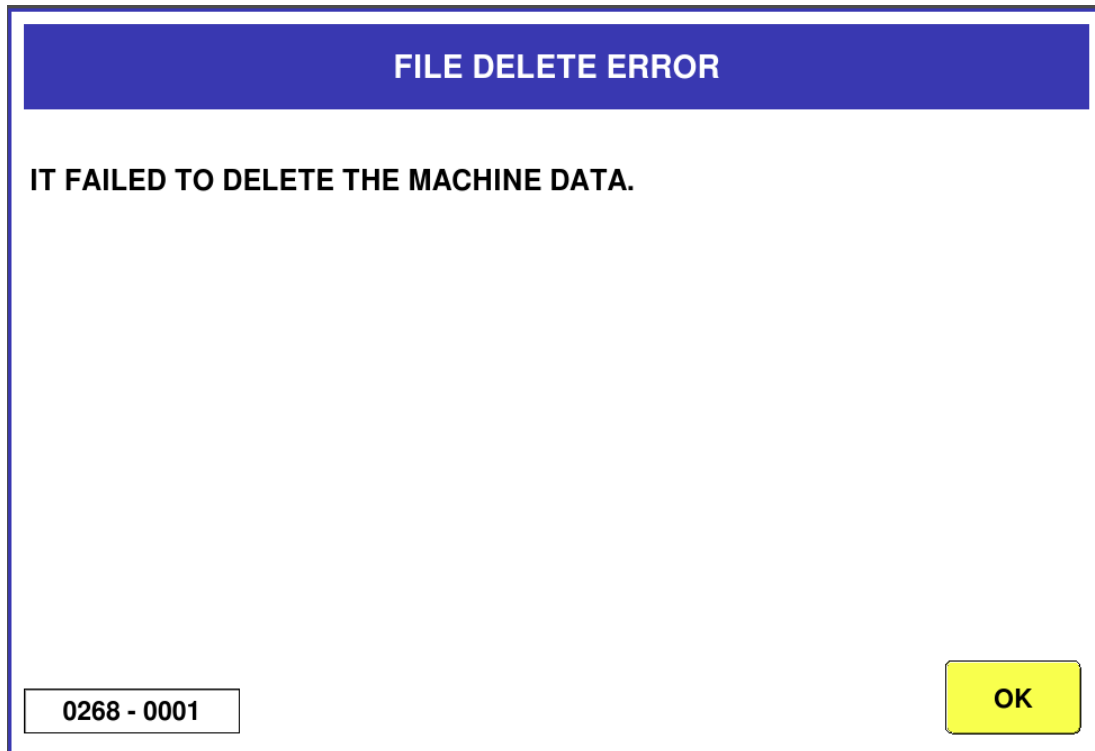
Category	Specification
ERROR CONTENT	[SETUP: FILE SAVE/LOAD (SCALE>USB)] File output from inside to external device fails.
DETAILS	The output data is separated by a sub-error number. 0002 : Master Data (Full Master Target)
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.24 FILE DELETE ERROR (0268-0000)



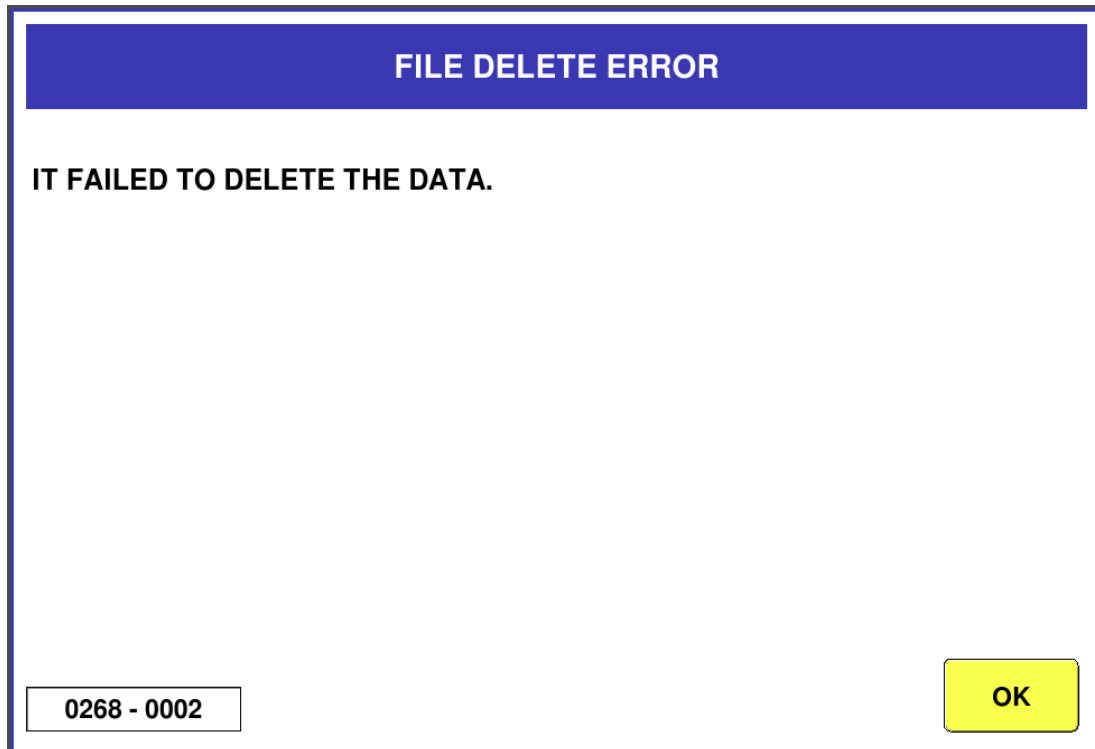
Category	Specification
ERROR CONTENT	File deletion of external device data or SRAM data [SETUP: FILE SAVE/LOAD (USB DATA DEL)] failed.
DETAILS	The deletion data is divided by a sub-error number. 0000 : External device data (specify master)
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.25 FILE DELETE ERROR (0268-0001)



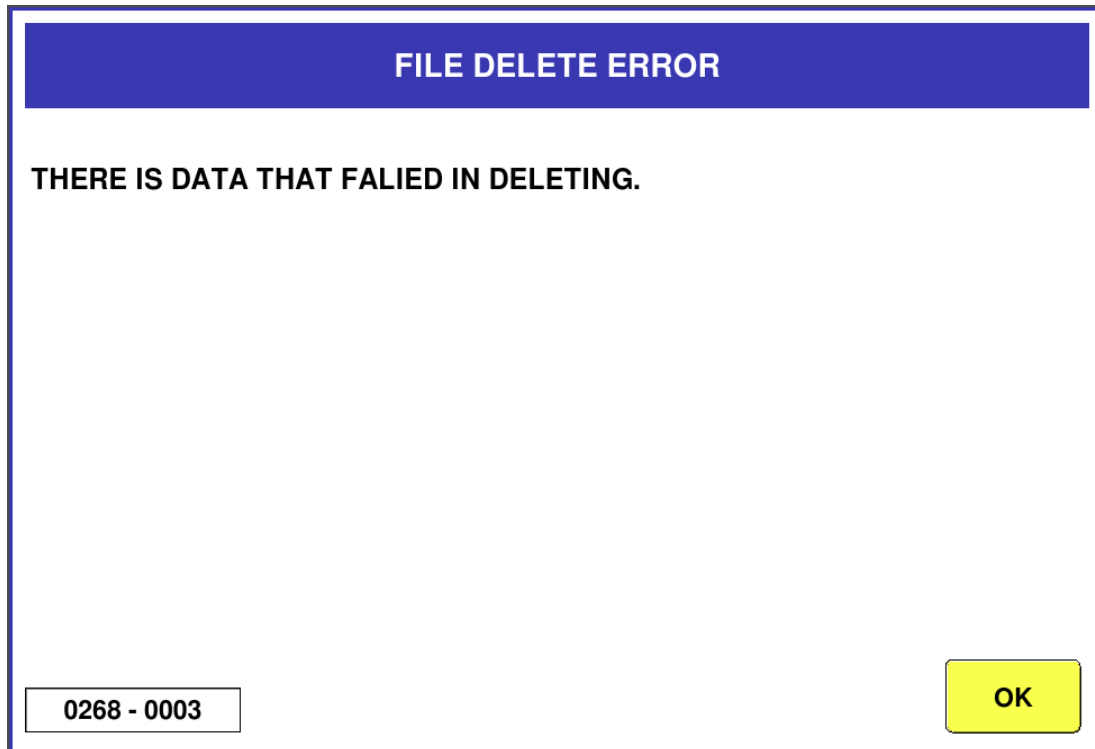
Category	Specification
ERROR CONTENT	File deletion of external device data or SRAM data in [SETUP: FILE SAVE/LOAD (USB DATA DEL)] failed.
DETAILS	The deletion data is divided by a sub-error number.
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.26 FILE DELETE ERROR (0268-0002)



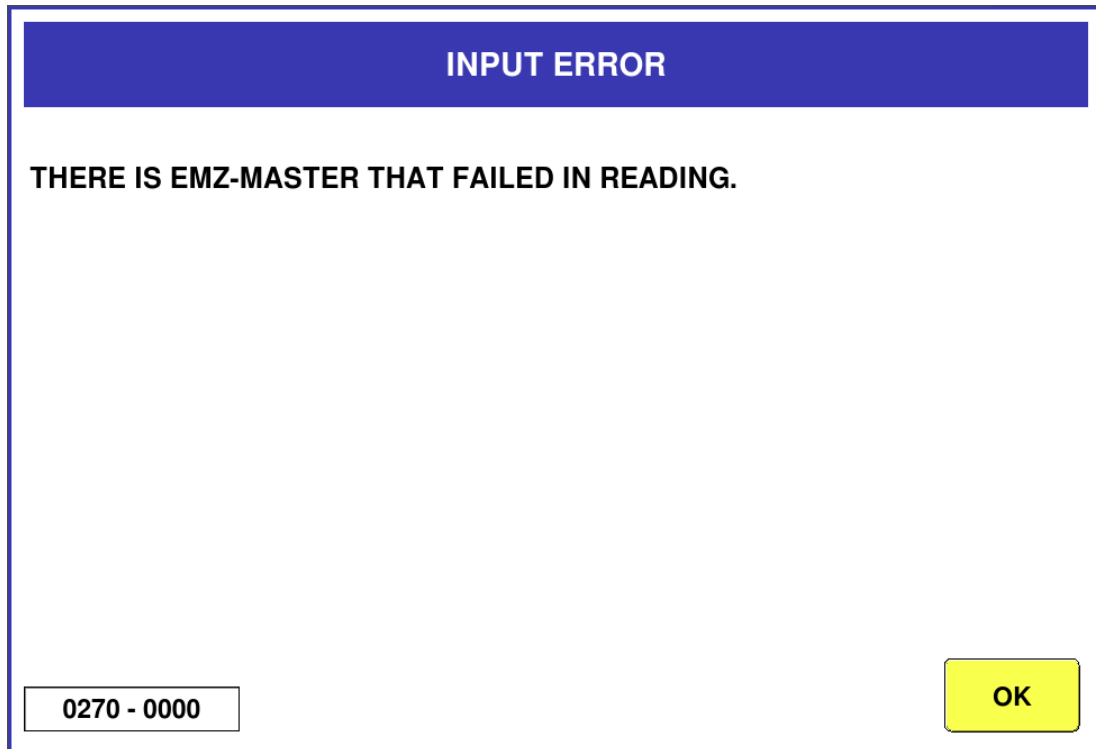
Category	Specification
ERROR CONTENT	File deletion of external device data or SRAM data in [SETUP: FILE SAVE/LOAD (USB DATA DEL)] failed.
DETAILS	The deletion data is divided by a sub-error number. 0002: External device data (specify data)
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.27 FILE DELETE ERROR (0268-0003)



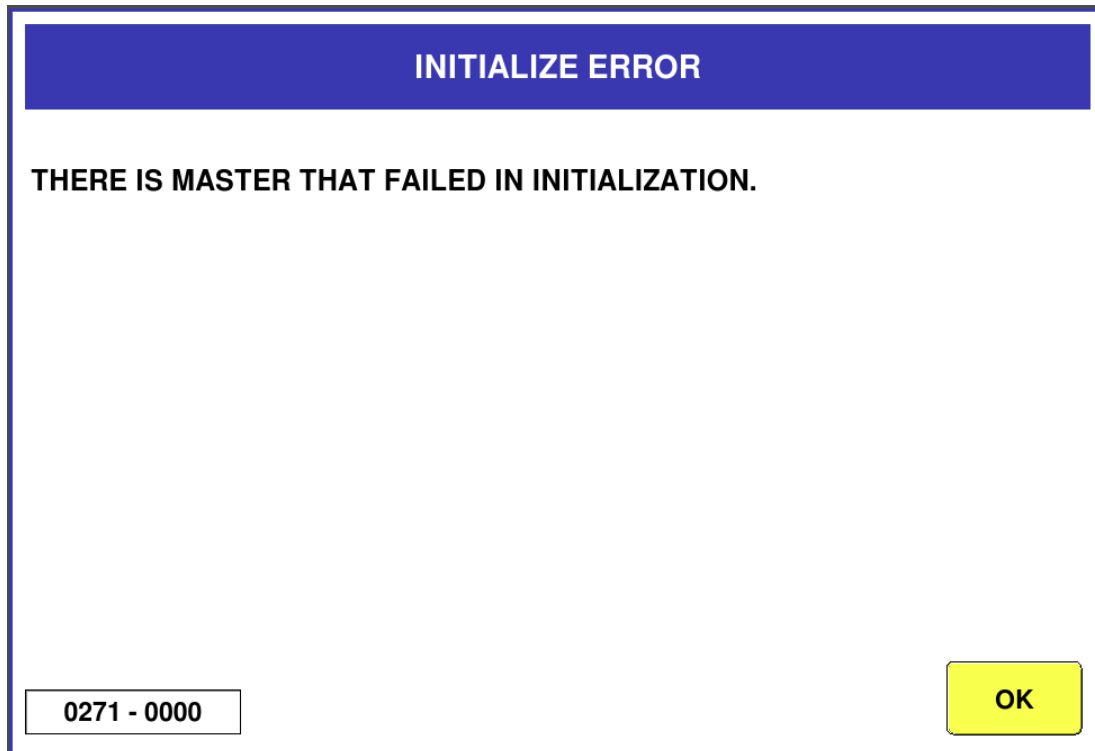
Category	Specification
ERROR CONTENT	File deletion of external device data or SRAM data in [SETUP: FILE SAVE/LOAD (USB DATA DEL)] failed.
DETAILS	The deletion data is divided by a sub-error number. 0003: External Device Data (Full Data Destination)
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.28 INPUT ERROR (0270)



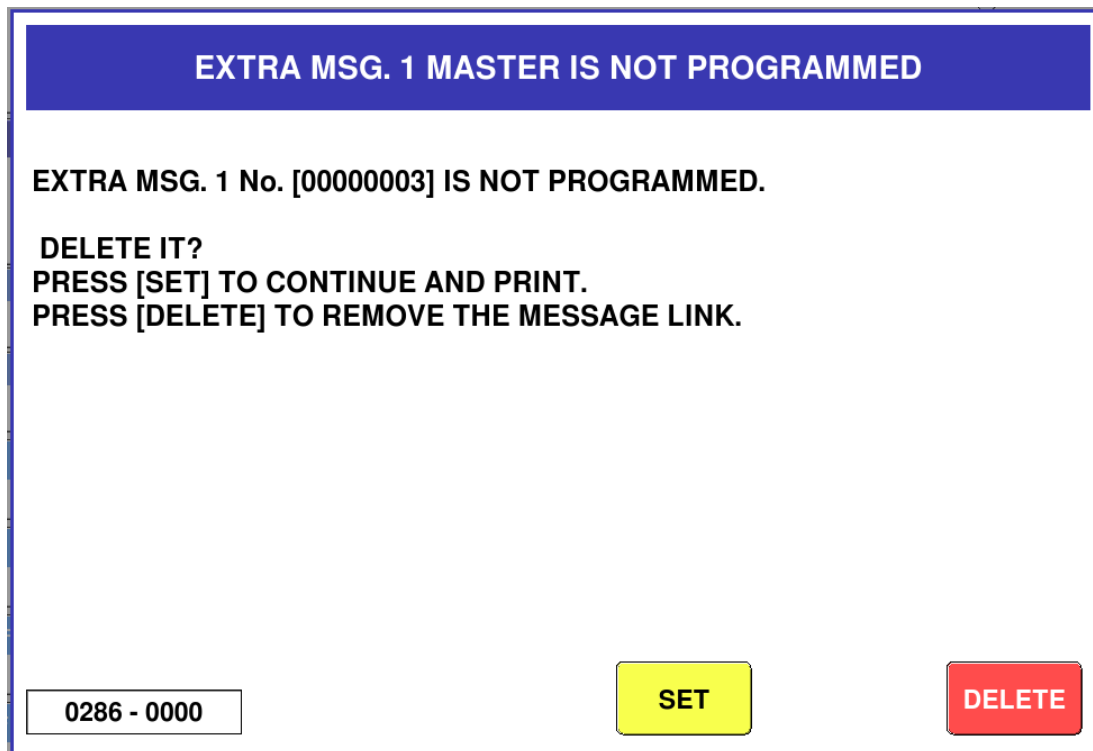
Category	Specification
ERROR CONTENT	[SETUP: EMZ master conversion (input)] Importing the master file of EMZ from an external device failed on the screen.
DETAILS	-
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.29 INITIALIZE ERROR (0271)



Category	Specification
ERROR CONTENT	File initialization of the internal master failed in [SETUP: FILE SAVE/LOAD (SCALE INIT.)].
DETAILS	-
CANCELLATION METHOD	[OK] Button.
USER ACTION	-
SERVICE ACTION	Check internal master data.
RELATED PLACES	Main board
REMARK	

9.2.30 EXTRA MSG. 1 MASTER IS NOT PROGRAMMED (0286)



Category	Specification
ERROR CONTENT	EXTRA MSG.1 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered EXTRA MSG.1 No. [DELETE] Button -> Delete the EXTRA MSG.1 No. of the commodity master.
USER ACTION	Reconfirming the EXTRA MSG.1 Call Number Add EXTRA MSG.1 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called EXTRA MSG.1 No. is displayed. If EXTRA MSG.1 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.31 INGREDIENT MASTER IS NOT PROGRAMMED (0287)

INGREDIENT MASTER IS NOT PROGRAMMED

INGREDIENT No. [00000003] IS NOT PROGRAMMED.

DELETE IT?
PRESS [SET] TO CONTINUE AND PRINT.
PRESS [DELETE] TO REMOVE THE MESSAGE LINK.

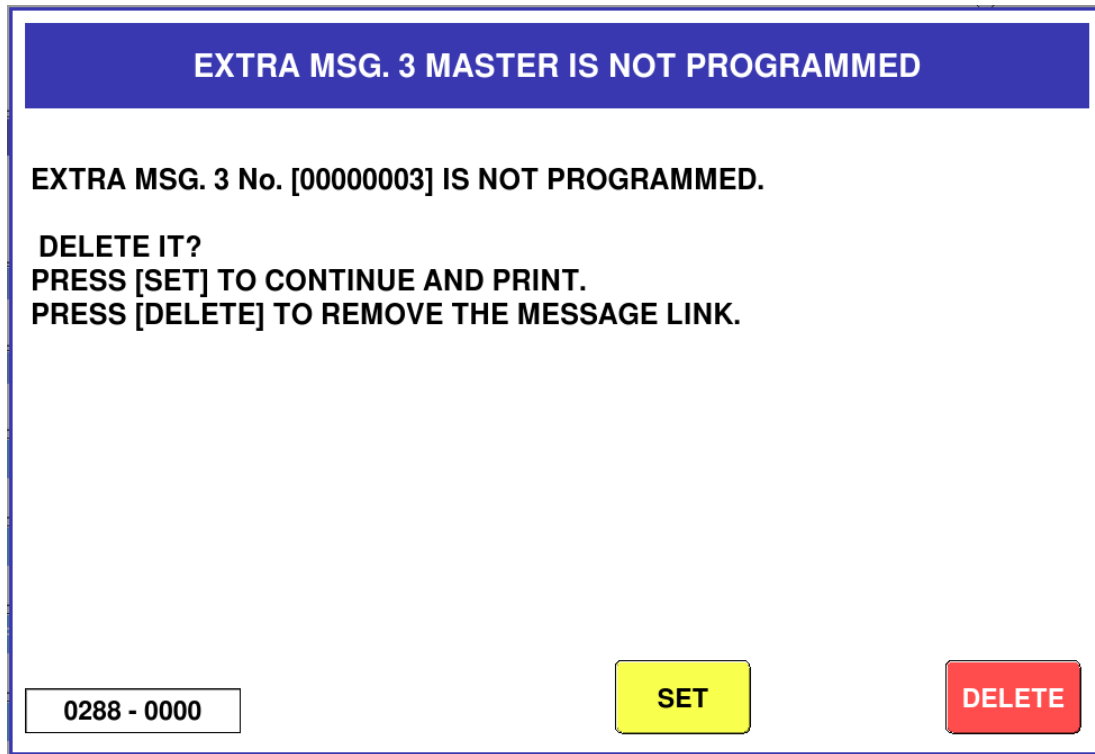
0287 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	INGREDIENT master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered INGREDIENT [DELETE] Button -> Delete the INGREDIENT of the commodity master.
USER ACTION	Reconfirming the INGREDIENT Call Number Add INGREDIENT Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called INGREDIENT No. is displayed. If INGREDIENT 's automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.32 EXTRA MSG. 3 MASTER IS NOT PROGRAMMED (0288)



Category	Specification
ERROR CONTENT	EXTRA MSG.3 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered EXTRA MSG.3 No. [DELETE] Button -> Delete the EXTRA MSG.3 No. of the commodity master.
USER ACTION	Reconfirming the EXTRA MSG.3 Call Number Add EXTRA MSG.3 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called EXTRA MSG.3 No. is displayed. If EXTRA MSG.3 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.33 FREE MSG.6 MASTER IS NOT PROGRAMMED (0294)

MASTER ISN'T REGISTERED

FREE MSG.6 No. [000003] ISN'T PROGRAMMED.

DELETE IT?

0294 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.6 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.6 No. [DELETE] Button -> Delete the FREE MSG.6 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.6 Call Number Add FREE MSG.6 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.6 No. is displayed. If FREE MSG.6 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.34 FREE MSG.7 MASTER IS NOT PROGRAMMED (0295)

MASTER ISN'T REGISTERED

FREE MSG.7 No. [000003] ISN'T PROGRAMMED.

DELETE IT?

0295 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.7 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.7 No. [DELETE] Button -> Delete the FREE MSG.7 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.7 Call Number Add FREE MSG.7 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.7 No. is displayed. If FREE MSG.7 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.35 FREE MSG.8 MASTER IS NOT PROGRAMMED (0296)

MASTER ISN'T REGISTERED

FREE MSG.8 No. [000003] ISN'T PROGRAMMED.

DELETE IT?

0296 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.8 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.8 No. [DELETE] Button -> Delete the FREE MSG.8 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.8 Call Number Add FREE MSG.8 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.8 No. is displayed. If FREE MSG.8 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.36 FREE MSG.9 MASTER IS NOT PROGRAMMED (0297)

MASTER ISN'T REGISTERED

FREE MSG.9 No. [000003] ISN'T PROGRAMMED.

DELETE IT?

0297 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.9 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.9 No. [DELETE] Button -> Delete the FREE MSG.9 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.9 Call Number Add FREE MSG.9 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.9 No. is displayed. If FREE MSG.9 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

9.2.37 FREE MSG.10 MASTER IS NOT PROGRAMMED (0298)

MASTER ISN'T REGISTERED

FREE MSG.10 No. [000003] ISN'T PROGRAMMED.

DELETE IT?

0298 - 0000

SET

DELETE

Category	Specification
ERROR CONTENT	FREE MSG.10 master you called is not registered.
DETAILS	It does not exist on the internal master.
CANCELLATION METHOD	[SET] Button -> Set the entered FREE MSG.10 No. [DELETE] Button -> Delete the FREE MSG.10 No. of the commodity master.
USER ACTION	Reconfirming the FREE MSG.10 Call Number Add FREE MSG.10 Master
SERVICE ACTION	Master confirmation
RELATED PLACES	Main board
REMARK	The called FREE MSG.10 No. is displayed. If FREE MSG.10 No.'s automatic update of the product is [none], the product master will not be changed. In [SETUP: ERROR PROCESS (CALL)], The error indication is switched between presence and absence. The master name can be confirmed by [SETUP: MENU TITLE (PROGRAM).]

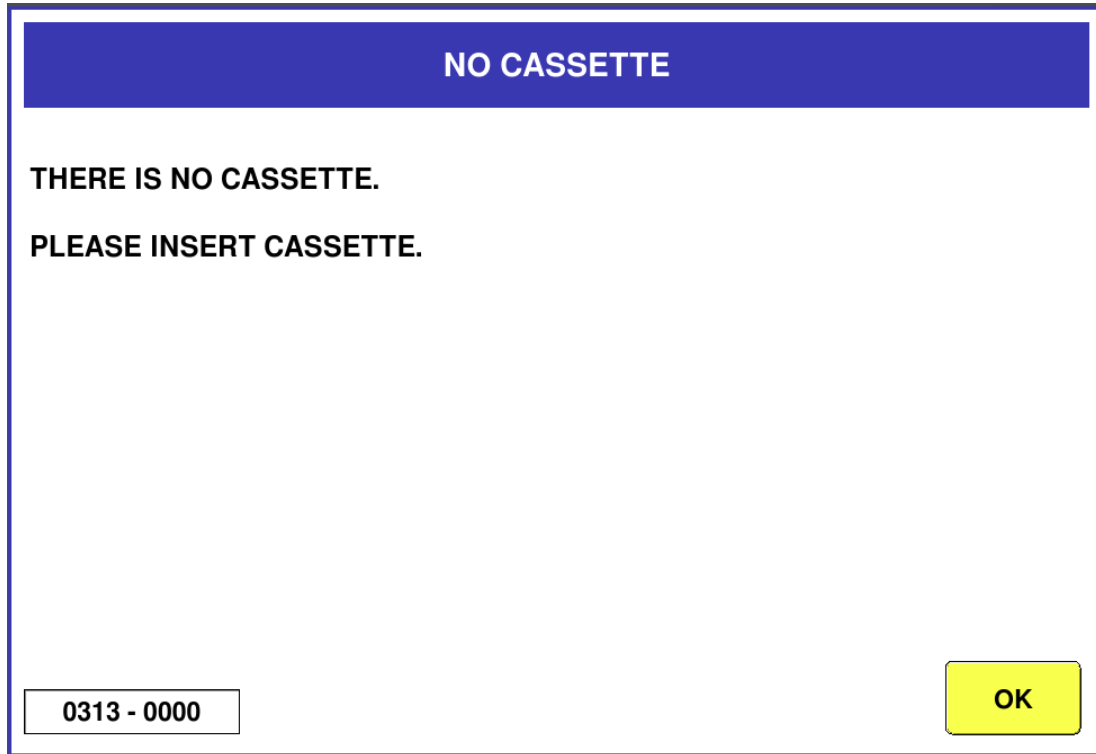
9.3 Pre-check System Error

9.3.1 LABEL IS REMAINING (0312)



Category	Specification
ERROR CONTENT	There is a label left on the printer.
DETAILS	Separate it with the sub error number. 0000 : Printer
CANCELLATION METHOD	[OK] button to remove label from printer
USER ACTION	label a printer
SERVICE ACTION	Check the operation of the peeling sensor on the printer that has an error
RELATED PLACES	Main board, Printer board
REMARK	-

9.3.2 NO CASSETTE (0313)



Category	Specification
ERROR CONTENT	Cassette is not inserted.
DETAILS	-
CANCELLATION METHOD	Make sure that the cassette is contained, [OK] button
USER ACTION	Set the cover of the cassette.
SERVICE ACTION	<ul style="list-style-type: none"> · Check the operation of the cassette sensor on the printer adjustment screen. ○○○● When inserting a cassette, the far rightmost part is marked with ●. Display all ○○○○when not inserted · Checking cassette sensors, harnesses, and connectors
RELATED PLACES	Main board, Printer board
REMARK	-

9.3.3 MARK DOWN PRICE IS MORE THAN ORIGINAL PRICE (0316)

MARK DOWN PRICE IS MORE THAN ORIGINAL PRICE	
<p>CHECK PRICE. NORMAL PRICE[\$ 4.67] MARK DOWN PRICE[\$ 10.00]</p>	
0316 - 0000	OK

Category	Specification
ERROR CONTENT	The special price of M exceeds the normal price.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	Change the special price of M. ※M special price will be lower than normal unit price.
SERVICE ACTION	Change the special price of M. Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	A normal amount and a M special price amount are displayed.

9.3.4 VARIOUS PRICE IS LOWER THAN ORIGINAL PRICE (0317)

VARIOUS PRICE IS LOWER THAN ORIGINAL PRICE	
<p>CHECK PRICE. NORMAL PRICE[\$ 10.00] VARIOUS PRICE[\$ 4.67]</p>	
0317 - 0000	OK

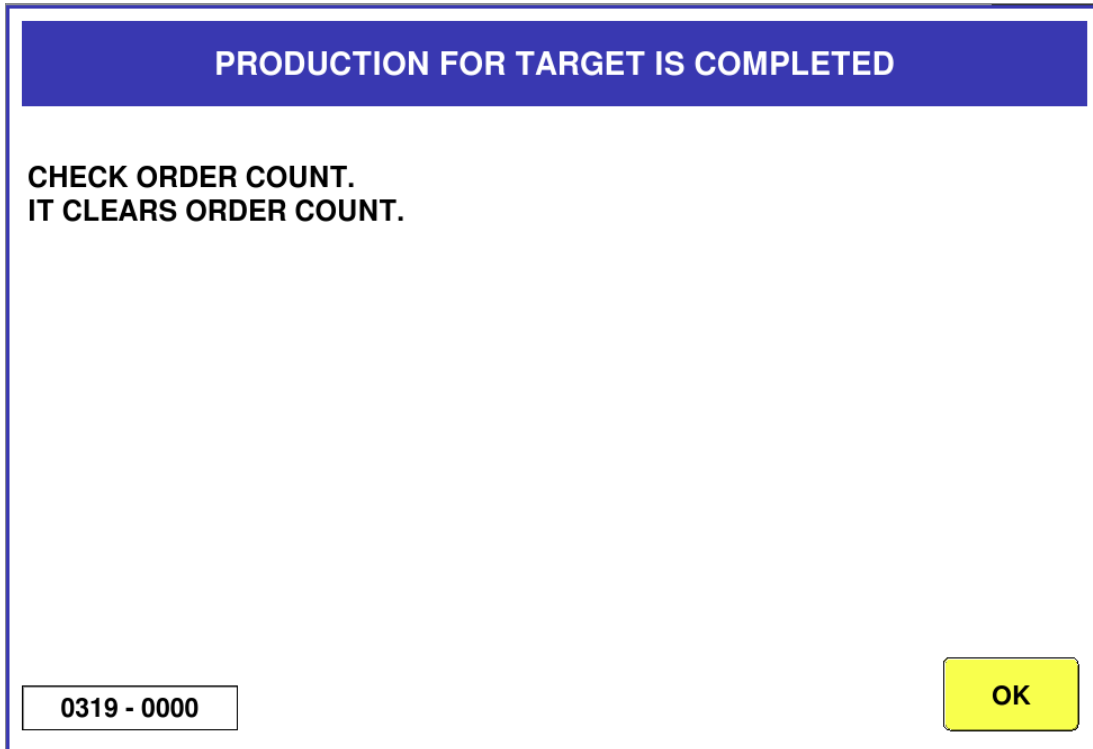
Category	Specification
ERROR CONTENT	The return amount is below the usual amount.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	change the amount ※ M special price is usually higher than the unit price.
SERVICE ACTION	Change the amount Check the product master. Check the upper product master when interlocking with the upper system.
RELATED PLACES	Main board
REMARK	Normal amount and return amount are displayed.

9.3.5 MARK DOWN UNIT PRICE IS LESS THAN ORIGINAL PRICE (0318)

MARK DOWN UNIT PRICE IS LESS THAN ORIGINAL PRICE	
<p>CHECK UNIT PRICE. NORMAL UNIT/PRICE[\$ 1.23] MARK DOWN UNIT PRICE[\$ 2.00]</p>	
0318 - 0000	OK

Category	Specification
ERROR CONTENT	The unit price of M exceeds the normal unit price.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	Change the unit price of M. ※M unit price is lower than normal unit price.
SERVICE ACTION	Change the unit price of M. Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	Normal unit price and M unit price are displayed.

9.3.6 PRODUCTION FOR TARGET IS COMPLETED (0319)



Category	Specification
ERROR CONTENT	I tried to produce more than the indicated number.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	Press the [OK] button. Continue production after error cancellation.
SERVICE ACTION	Press the [OK] button.
RELATED PLACES	Main board
REMARK	The indicated number is cleared.

9.3.7 PRICE IS NOT PROGRAMMED (0321)

PRICE IS NOT PROGRAMMED

ENTER PRICE.

0321 - 0000


OK

Category	Specification
ERROR CONTENT	The amount is not set.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	Enter the amount. Check the product master.
SERVICE ACTION	Enter the amount. Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	\$0 Do not display when the amount error "do not display".

9.3.8 PRODUCT WEIGHT IS OUT OF RANGE (0325)

WEIGHT IS OUT OF RANGE

WEIGHT(0.410lb) LIMIT(0.500lb~ 1.000lb)



PRINT BUTTON TO ISSUE LABEL.

STOP BUTTON TO CANCEL CHECKING AND RETURN.

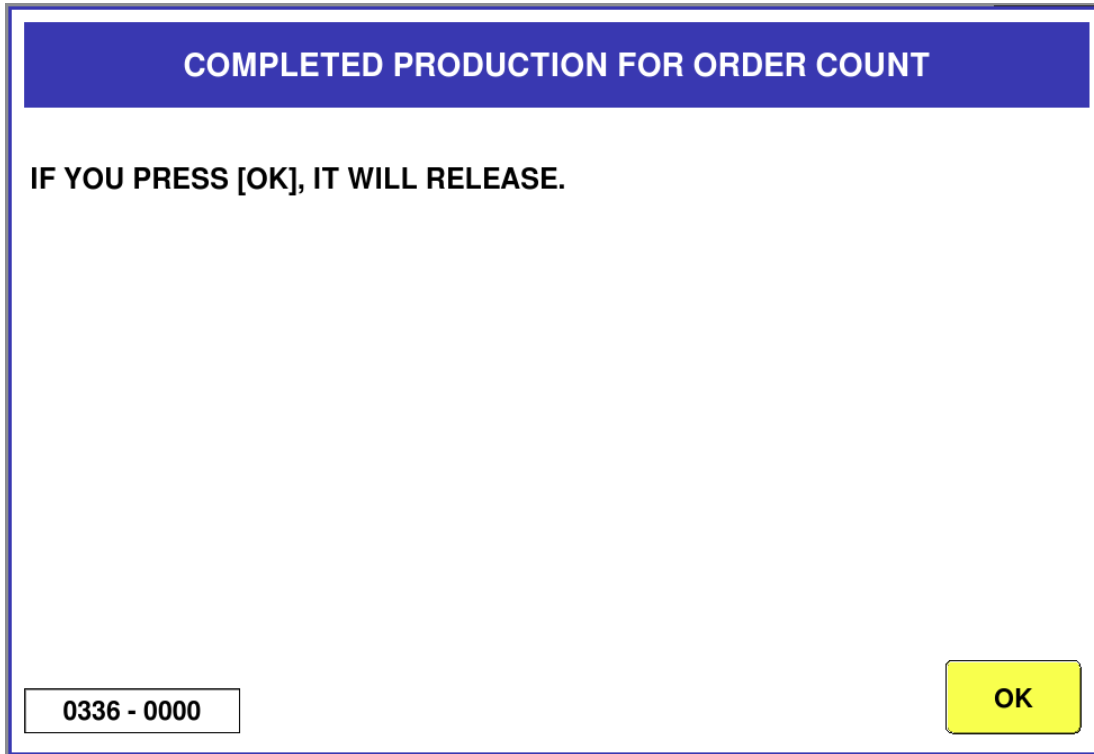
0325 - 0000

PRINT

STOP

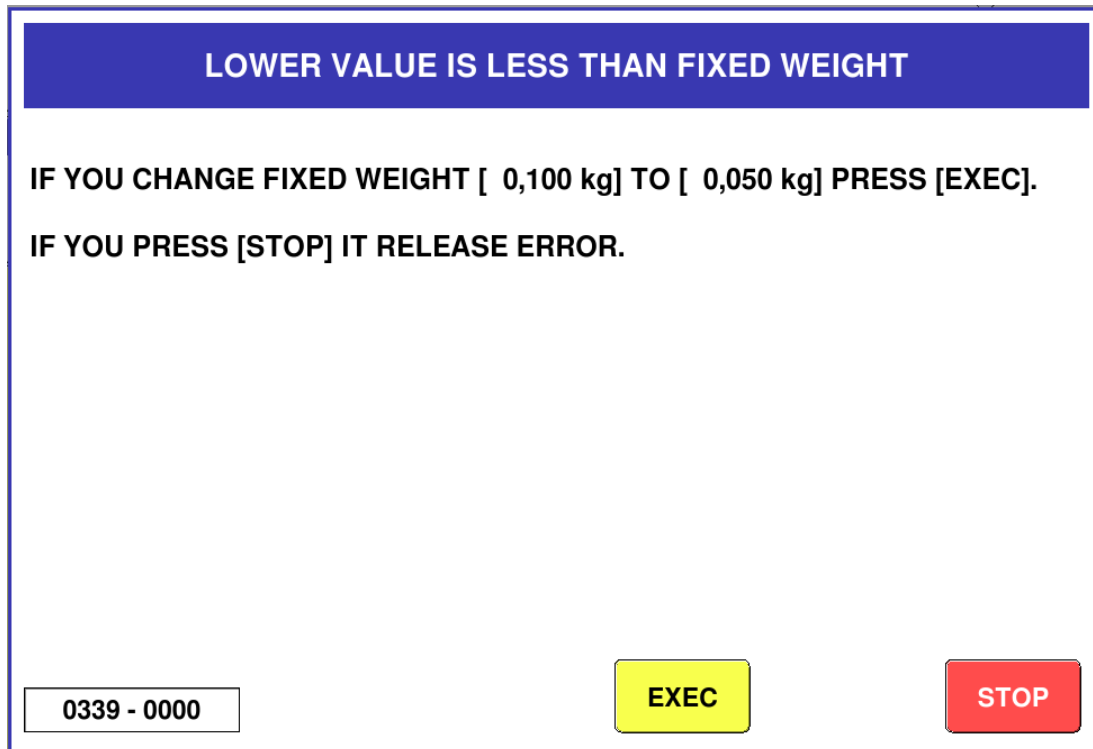
Category	Specification
ERROR CONTENT	A mounting weight is outside the upper and lower limit weight setting range.
DETAILS	Separate by sub-error number. 0000 : Out of Actual Weight Range Error
CANCELLATION METHOD	· Error outside the actual weight range. [OK] button : No errors. [STOP] button : Not check the weight until the next product call. Numeric keypad : Close the error screen.
USER ACTION	Increase the weight of the goods produced. Check the "upper limit weight" and "lower limit weight" of the product master.
SERVICE ACTION	Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	[SETUP: OPERATION SETTING (PROD.)] If you do not want to check the weight of the measured product, Do not check the upper and lower limits of the indefinite article.

9.3.9 PRICE IS NOT PROGRAMMED (0336)



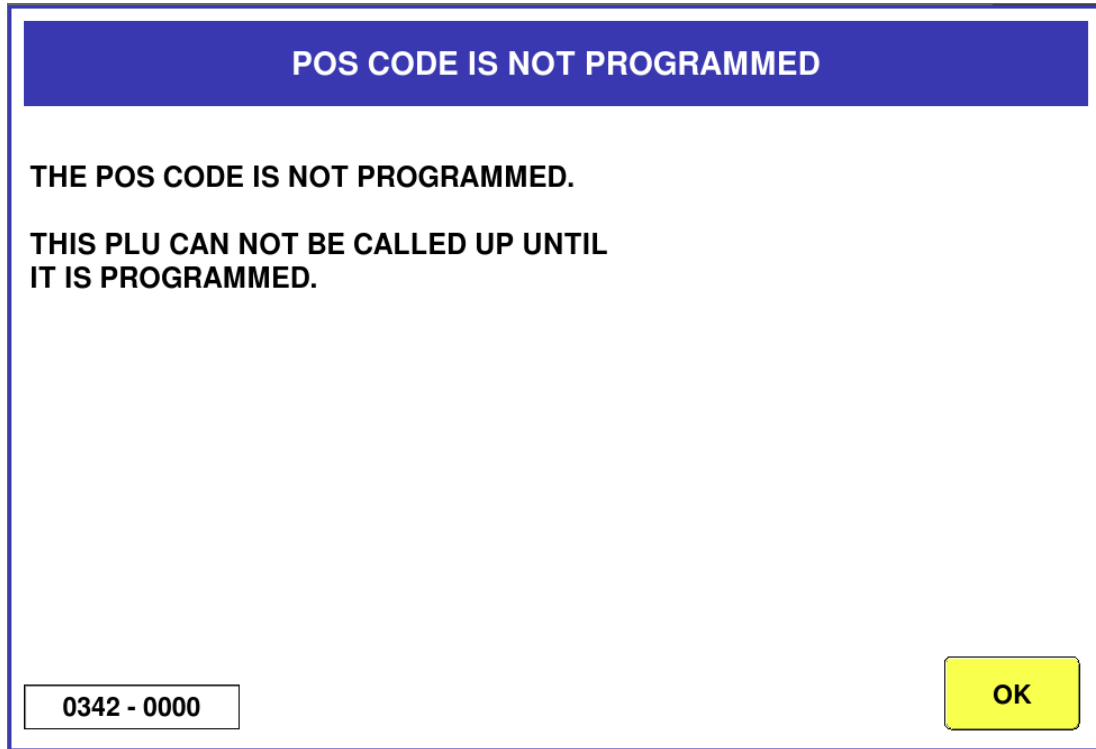
Category	Specification
ERROR CONTENT	Production of indicated number completed.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	Press the [OK] button.
SERVICE ACTION	Press the [OK] button.
RELATED PLACES	Main board
REMARK	-

9.3.10 LOWER VALUE IS LESS THAN FIXED WEIGHT (0339)



Category	Specification
ERROR CONTENT	The lower limit is lighter than the fixed weight.
DETAILS	A regular commodity having a lower limit value lighter than a fixed weight is called.
CANCELLATION METHOD	[EXEC] button : Constant weight to the lower limit. [STOP] button : Clear the error.
USER ACTION	Check the "constant weight" and "lower limit weight" of the product master.
SERVICE ACTION	Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	When the error is cleared, the lower limit remains the same.

9.3.11 POS CODE IS NOT PROGRAMMED (0342)



Category	Specification
ERROR CONTENT	The POS code is not configured.
DETAILS	-
CANCELLATION METHOD	[OK] button
USER ACTION	On the [PROGRAM:PLU] screen, enter the "POS Code"
SERVICE ACTION	Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	<ul style="list-style-type: none"> · The POS code not set error only occurs when setting "No Issue". · I can't issue a label cannot be issued.

9.3.12 STORE No. IS NOT CALLED UP (0349)

STORE No. IS NOT CALLED UP

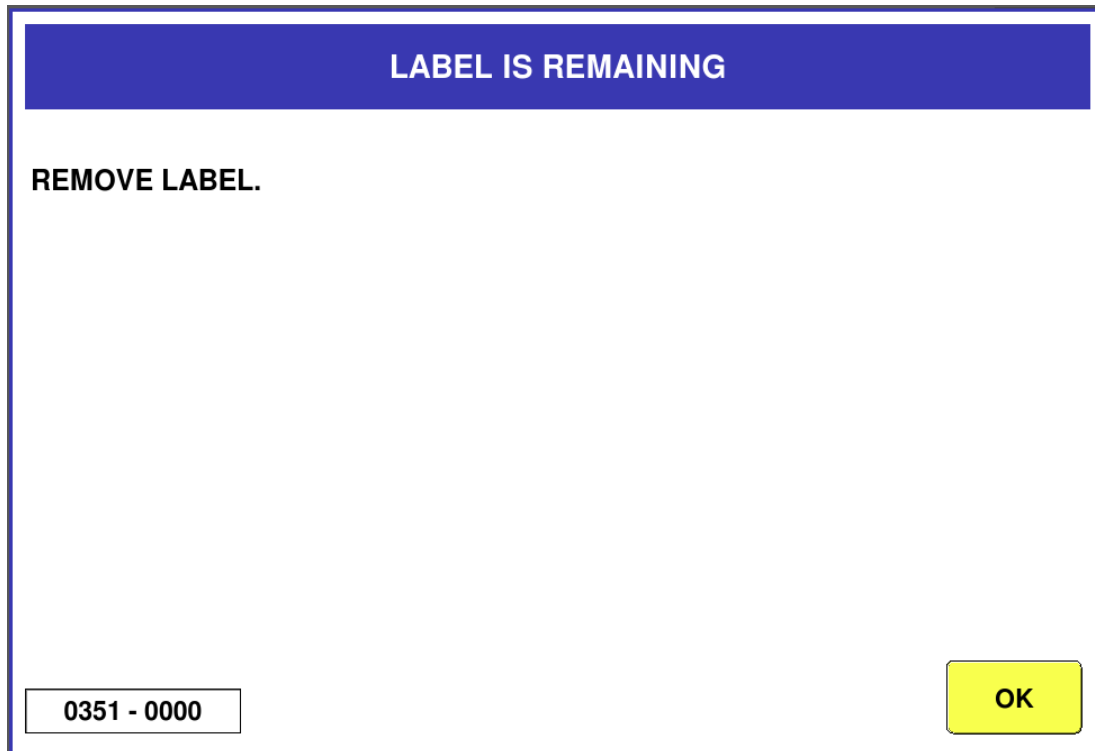
CALL UP STORE No.

0349 - 0000

OK

Category	Specification
ERROR CONTENT	The store number has not been called.
DETAILS	At the time of store switching, when the merchandise call is completed but the store call is not completed, it occurs when the shop is about to move to production operation.
CANCELLATION METHOD	[OK] button
USER ACTION	A store number is inputted and inputted by a "store" key or a "store" function key.
SERVICE ACTION	A store number is inputted and inputted by a "store" key or a "store" function key. Check the store master.
RELATED PLACES	Main board
REMARK	-

9.3.13 LABEL IS REMAINING (0351)



Category	Specification
ERROR CONTENT	Labels are left.
DETAILS	-
CANCELLATION METHOD	Remove the label, [OK] button
USER ACTION	Press the OK button to complete the production.
SERVICE ACTION	Press the OK button to complete the production. Check for outstanding performance errors.
RELATED PLACES	Main board
REMARK	-

9.3.14 POWER IS ON (0361)

POWER IS ON

CHECK SCALE FOR STARTING PRODUCTION.

0361 - 0000

OK

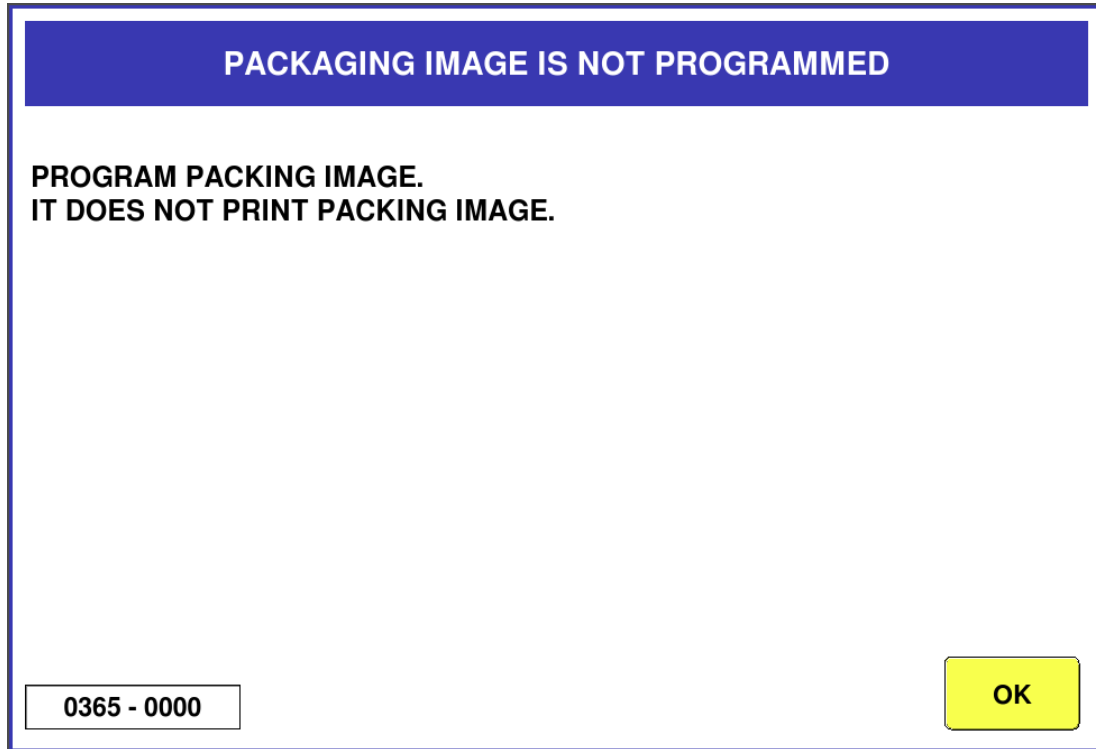
Category	Specification
ERROR CONTENT	Error logging power on to error log file
DETAILS	The error screen does not appear.
CANCELLATION METHOD	[OK] button
USER ACTION	No action required
SERVICE ACTION	No action required
RELATED PLACES	Main board
REMARK	-

9.3.15 PACKAGING IMAGE IS NOT PROGRAMMED (0364)



Category	Specification
ERROR CONTENT	Recycle No. is not set (both unit price master and tray master are 0).
DETAILS	Occurs when the Recycle unconfigured error is "Prohibit Issuance".
CANCELLATION METHOD	[OK] button
USER ACTION	Register the Recycle image.
SERVICE ACTION	Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	-

9.3.16 PACKAGING IMAGE IS NOT PROGRAMMED (0365)



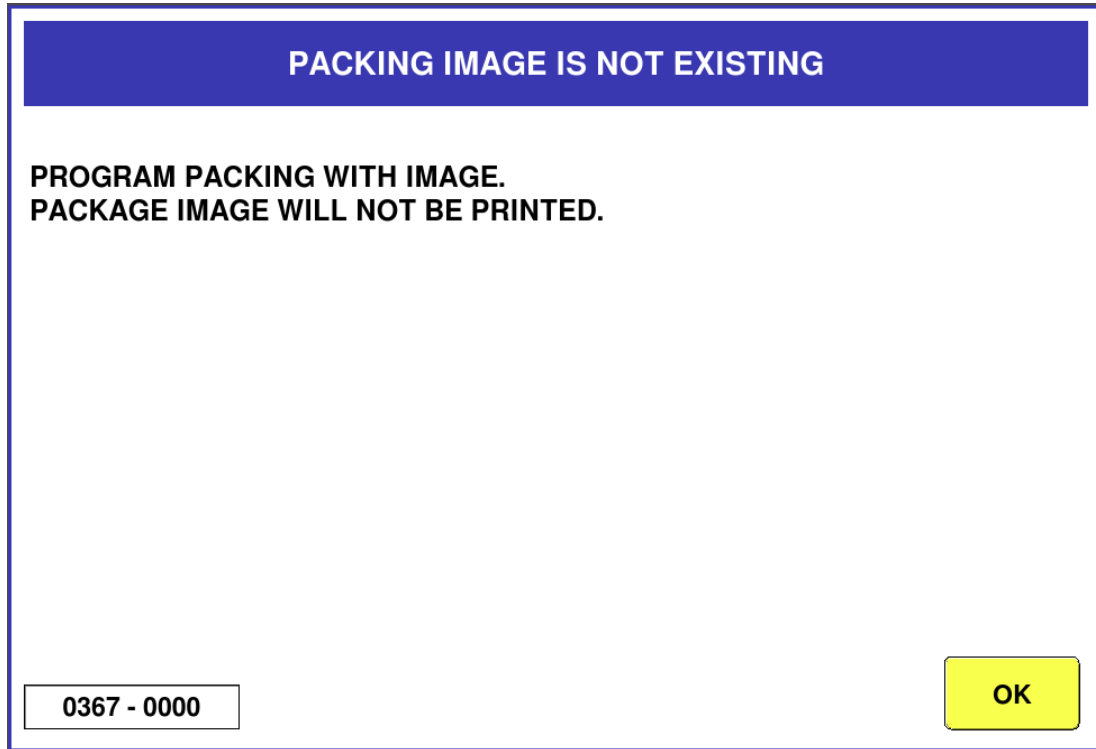
Category	Specification
ERROR CONTENT	Recycle No. is not set (both unit price master and tray master are 0).
DETAILS	Occurs when the Recycle No. setting error is "Print without container/package image".
CANCELLATION METHOD	[OK] button
USER ACTION	Register the Recycle No. image number.
SERVICE ACTION	Check the product master. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	-

9.3.17 PACKING IMAGE IS NOT EXISTING (0366)

PACKING IMAGE IS NOT EXISTING	
<p>PROGRAM PACKING WITH IMAGE. CANNOT PRINT LABEL UNTIL PROGRAMMING IT.</p>	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">0366 - 0000</div>	<div style="background-color: yellow; border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold;">OK</div>

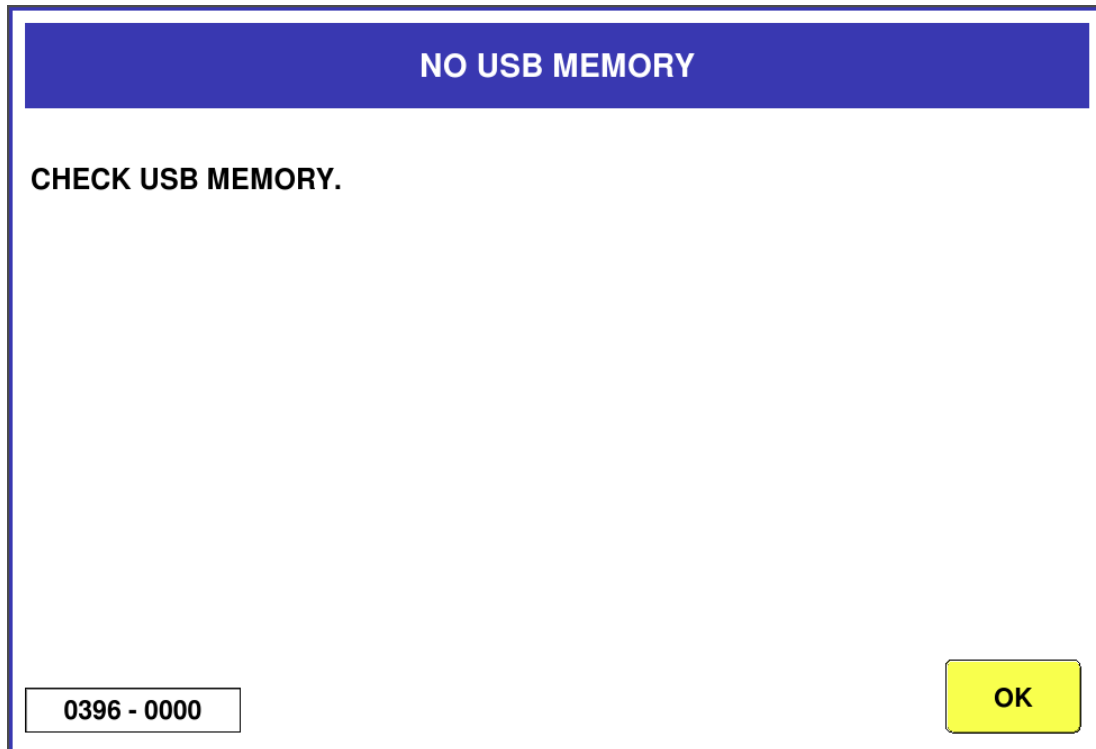
Category	Specification
ERROR CONTENT	Error contents Recycle No. is entered, but the Recycle image file with that number does not exist.
DETAILS	Occurs when the Recycle unconfigured error is "Prohibit Issuance".
CANCELLATION METHOD	[OK] button
USER ACTION	Check the Recycle image number.
SERVICE ACTION	<p>Check the product master.</p> <p>Check the Recycle image.</p> <p>In interlocking with the upper system, the upper commodity master is confirmed.</p>
RELATED PLACES	Main board
REMARK	-

9.3.18 PACKING IMAGE IS NOT EXISTING (0367)



Category	Specification
ERROR CONTENT	Error contents Recycle No. is entered, but the Recycle image file with that number does not exist.
DETAILS	Occurs when the Recycle unconfigured error is "Print without Recycle Image".
CANCELLATION METHOD	[OK] button
USER ACTION	Check the Recycle image number.
SERVICE ACTION	Check the product master. Check the Recycle image. In interlocking with the upper system, the upper commodity master is confirmed.
RELATED PLACES	Main board
REMARK	-

9.3.19 NO USB MEMORY (0396)



Category	Specification
ERROR CONTENT	USB memory is not inserted.
DETAILS	Occurs when the Recycle unconfigured error is "Print without Recycle Image".
CANCELLATION METHOD	[OK] button
USER ACTION	Load the USB memory into the device.
SERVICE ACTION	Load the USB memory into the device. Check the USB memory (recommended Ishida).
RELATED PLACES	Main board
REMARK	-

9.4 Printer Error

9.4.1 PRINTER 1 HAS PROBLEM (0703)

PRINTER 1 HAS PROBLEM	
NO SPACE FOR PRINTING QUE.	
WAIT 10 SEC AFTER TURNING OFF THE MACHINE.	
0703 - 0000	

Category	Specification
ERROR CONTENT	System error on the printer.
DETAILS	The print sequence of the main program has become abnormal.
CANCELLATION METHOD	Re-energize power.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.4.2 PRINTER 1 HAS PROBLEM (0704)

PRINTER 1 HAS PROBLEM

YOU MADE ILLEGAL PARAMETER.

WAIT 10 SEC AFTER TURNING OFF POWER.

0704 - 0000

Category	Specification
ERROR CONTENT	System error on the printer.
DETAILS	Processed incorrect parameters.
CANCELLATION METHOD	Re-energize power.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.4.3 NO LABEL FOR PRINTER 1 (0710)

NO LABEL FOR PRINTER 1

CHANGE LABEL FOR PRINTER 1.

1. PULL OUT CASSETTE.
2. CHANGE LABEL.
3. SET CASSETTE.
4. PRESS [FEED] TO FEED.
CHECK THE SETTING.

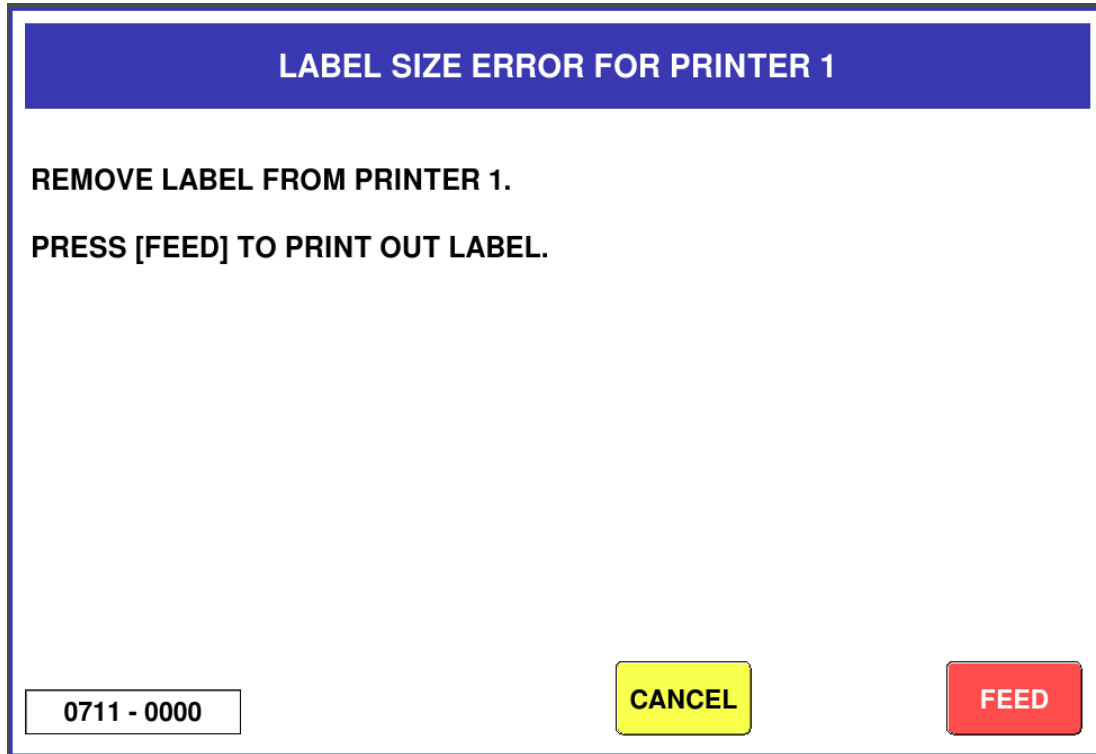
0710 - 0000

CANCEL

FEED

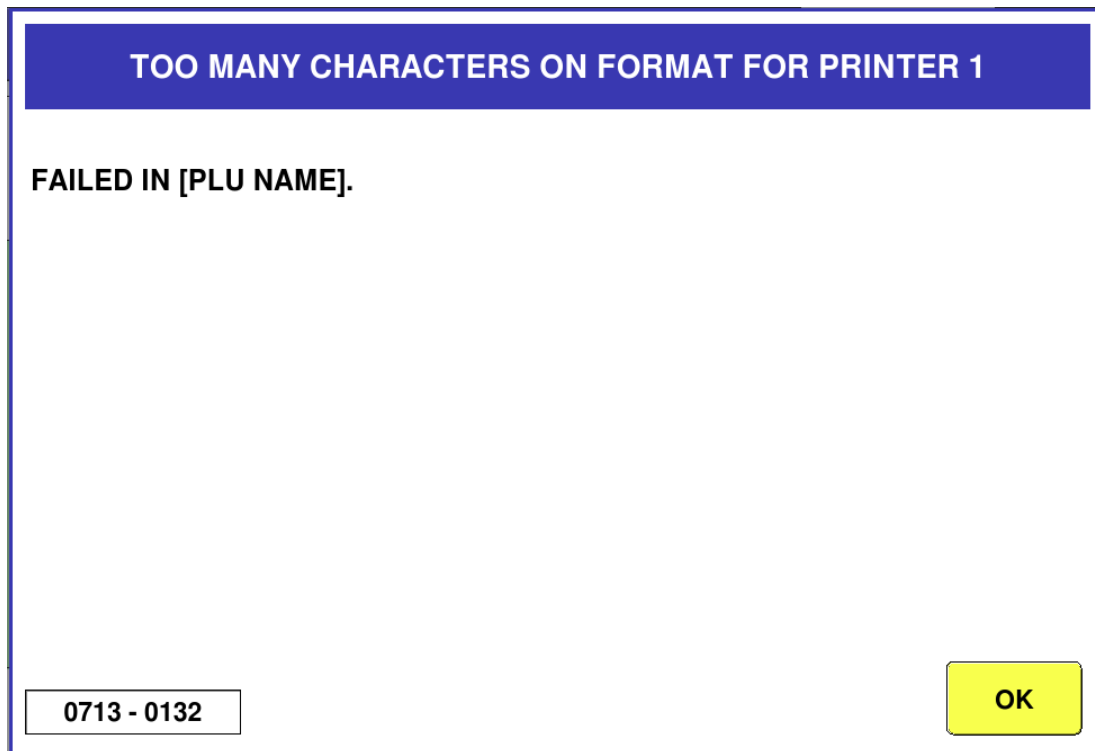
Category	Specification
ERROR CONTENT	The printer has finished labeling.
DETAILS	-
CANCELLATION METHOD	After replacing the label, press FEED to align the label. [CANCEL] button : Exit the error.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.4.4 LABEL SIZE ERROR FOR PRINTER 1 (0711)



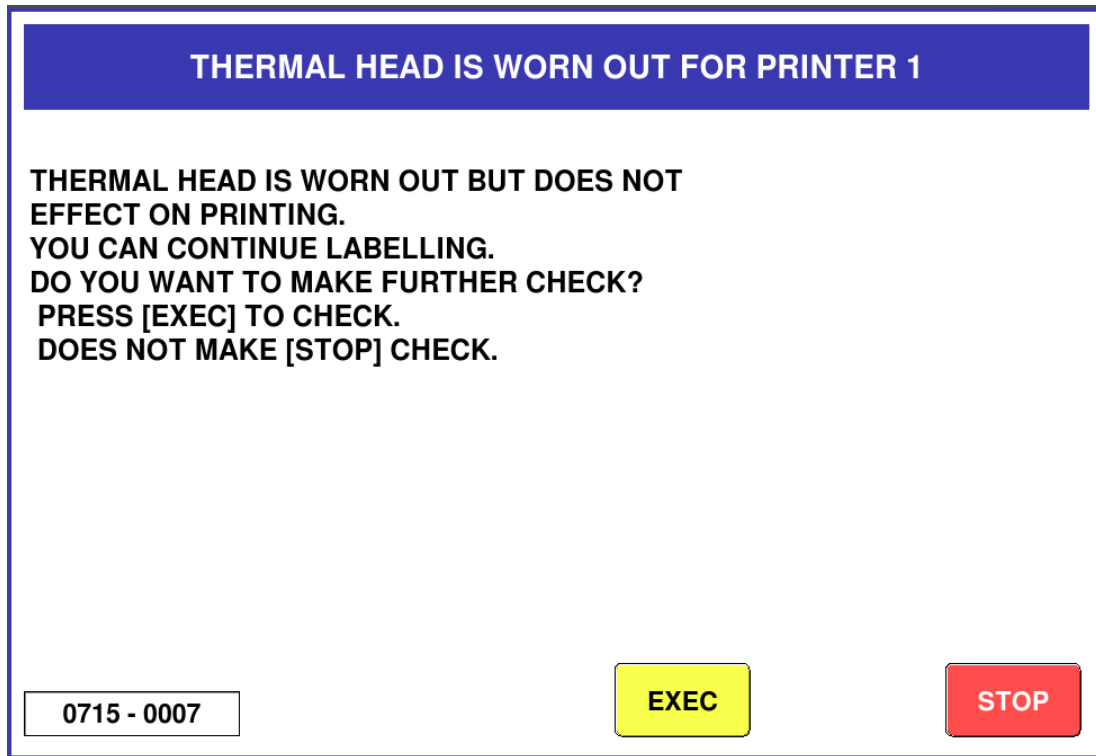
Category	Specification
ERROR CONTENT	Printer label size error.
DETAILS	An error screen is displayed when the format size of the production label is different from the actual label size.
CANCELLATION METHOD	[FEED] button after label removal by empty feed. [CANCEL] button : Exit the error.
USER ACTION	Replace with the correct label or change the label format to match the label.
SERVICE ACTION	-
RELATED PLACES	-
REMARK	No mountless display.

9.4.5 TOO MANY CHARACTERS ON FORMAT FOR PRINTER 1 (0713-0000)



Category	Specification
ERROR CONTENT	The printer failed to deploy.
DETAILS	PLU information in which deployment failed is added to the sub-error number.
CANCELLATION METHOD	[OK] button
USER ACTION	
SERVICE ACTION	-
RELATED PLACES	-
REMARK	

9.4.6 THERMAL HEAD IS WORN OUT FOR PRINTER 1 (0715-0007)



Category	Specification
ERROR CONTENT	The dots on the thermal head of the printer are cut.
DETAILS	The detailed impact portion is divided by the sub-error number. 0007: It's broken where it doesn't affect the factor.
CANCELLATION METHOD	Press the [EXEC] button or the [STOP] button. [EXEC] : The following products will also be head checked. [STOP] : Head check is not performed on the following products.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.4.7 THERMAL HEAD IS WORN OUT FOR PRINTER 1 (0715-0008)

THERMAL HEAD IS WORN OUT FOR PRINTER 1	
<p>THERMAL HEAD IS WORN OUT WITHIN FORMAT. NEED TO CHANGE THERMAL HEAD. DO YOU WANT TO MAKE FURTHER CHECK? [EXEC] TO CHECK. [STOP] NOT TO CHECK.</p>	
0715 - 0008	<div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="background-color: yellow; padding: 5px 15px; border: 1px solid black;">EXEC</div> <div style="background-color: red; color: white; padding: 5px 15px; border: 1px solid black;">STOP</div> </div>

Category	Specification
ERROR CONTENT	The dots on the thermal head of the printer are cut.
DETAILS	The detailed impact portion is divided by the sub-error number. 0008: Disconnected within the format range.
CANCELLATION METHOD	Press the [EXEC] button or the [STOP] button. [EXEC] : The following products will also be head checked. [STOP] : Head check is not performed on the following products.
USER ACTION	-
SERVICE ACTION	Change the head.
RELATED PLACES	-
REMARK	-

9.4.8 THERMAL HEAD IS WORN OUT FOR PRINTER 1 (0715-0009)

THERMAL HEAD IS WORN OUT FOR PRINTER 1	
<p>CAN NOT PRINT BARCODE CORRECTLY. CHANGE THERMAL HEAD. CAN NOT PRINT LABEL. CAN NOT DO LABELLING.</p>	
0715 - 0009	OK

Category	Specification
ERROR CONTENT	The dots on the thermal head of the printer are cut.
DETAILS	The detailed impact portion is divided by the sub-error number. 0008: Barcode does not print normally.
CANCELLATION METHOD	[OK] button.
USER ACTION	-
SERVICE ACTION	Change the head.
RELATED PLACES	-
REMARK	-

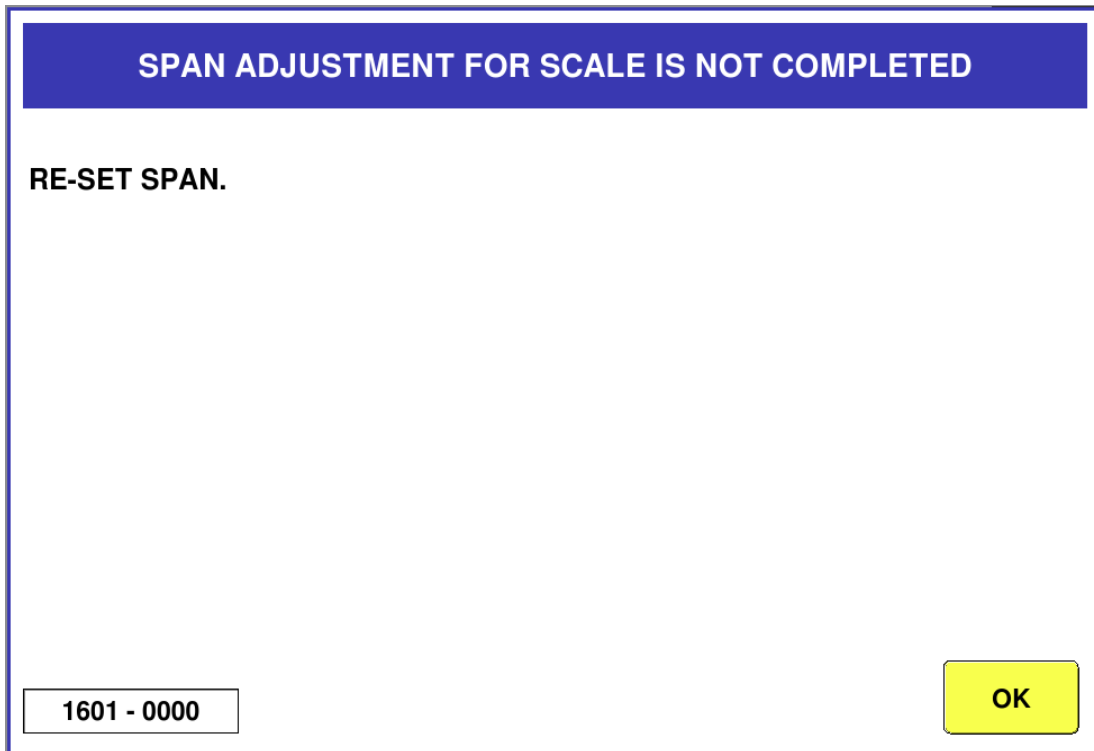
9.4.9 CONTROL BOAD FOR PRINTER 1 IS FAILED (0717)

CONTROL BOAD FOR PRINTER 1 IS FAILED	
WAIT 10 SEC AFTER TURNING OFF POWER.	
0717 - 0000	

Category	Specification
ERROR CONTENT	Printer control board abnormality.
DETAILS	There was a problem with printer control.
CANCELLATION METHOD	Re-energizing power.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.5 Scale Connection Error

9.5.1 SPAN ADJUSTMENT FOR SCALE IS NOT COMPLETED (1601)



Category	Specification
ERROR CONTENT	Span adjustment of the scale is not completed.
DETAILS	Answer from Scale is added to the sub error number.
CANCELLATION METHOD	[OK] Button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	Span reset required.

9.5.2 SCALE INITIALIZATION IS NOT COMPLETED (1602)

SCALE INITIALIZATION IS NOT COMPLETED

RE-SET SPAN.

1602 - 0000

OK

Category	Specification
ERROR CONTENT	The initialization processing of the scale is not completed.
DETAILS	Answer from Scale is added to the sub error number.
CANCELLATION METHOD	[OK] button.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	Span reset required.

9.5.3 NO RESPONSE FROM SCALE (1621)

NO RESPONSE FROM SCALE

**CHECK CONNECTION WITH SCALE.
AFTER CHECKING CONNECTION.**

1621 - 0000

Category	Specification
ERROR CONTENT	There is no response from the scale.
DETAILS	-
CANCELLATION METHOD	Power off
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	It is necessary to restart the power supply after checking the connection with Scale.

9.5.4 CAN NOT COMMUNICATE WITH SCALE (1622)

CAN NOT COMMUNICATE WITH SCALE

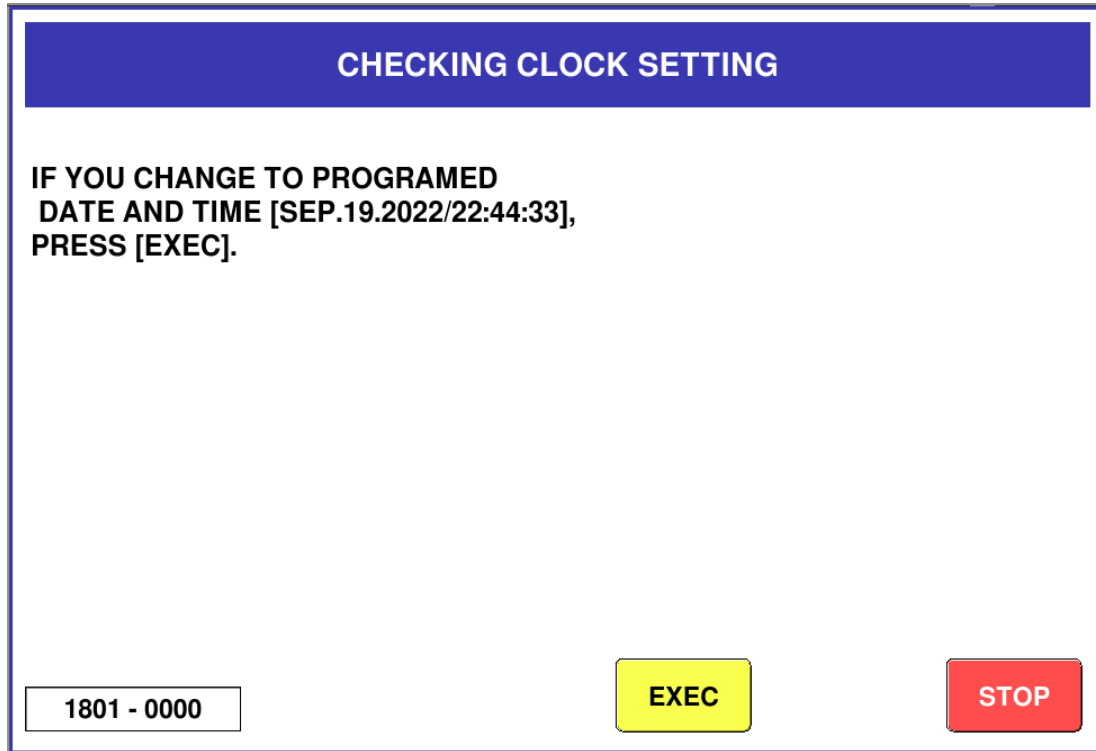
**CHECK CONNECTION WITH SCALE.
AFTER CHECKING CONNECTION.**

1622 - 0000

Category	Specification
ERROR CONTENT	Communication with the scale is not possible.
DETAILS	-
CANCELLATION METHOD	Power off, [OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	It is necessary to restart the power supply after checking the connection with Scale.

9.6 Dialog Selection System Error

9.6.1 CHECKING CLOCK SETTING (1801)



Category	Specification
ERROR CONTENT	Occurs when attempting to change clock settings.
DETAILS	-
CANCELLATION METHOD	[EXEC] button , [STOP] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	<p>Press the [EXEC] button to change the clock settings according to what you entered and return to the menu screen.</p> <p>Press the [Stop] button to return to the menu screen without changing the current clock settings.</p>

9.6.2 CHANGING COMMUNICATION MODE (1807)

CHANGING COMMUNICATION MODE

02 MACHINE TO BE CHANGED TO (OFFLINE)?

1807 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	Occurs when switching inline or offline.
DETAILS	An error screen is displayed when the [Inline] button is pressed.
CANCELLATION METHOD	Press the [EXEC] or [STOP] [EXEC] : Switch offline. [STOP] : Leave inline.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	Displayed in store online specifications and store real specifications.

9.6.3 CHANGING COMMUNICATION MODE (1808)

CHANGING COMMUNICATION MODE

02 MACHINE TO BE CHANGED TO (INLINE)?

1808 - 0000

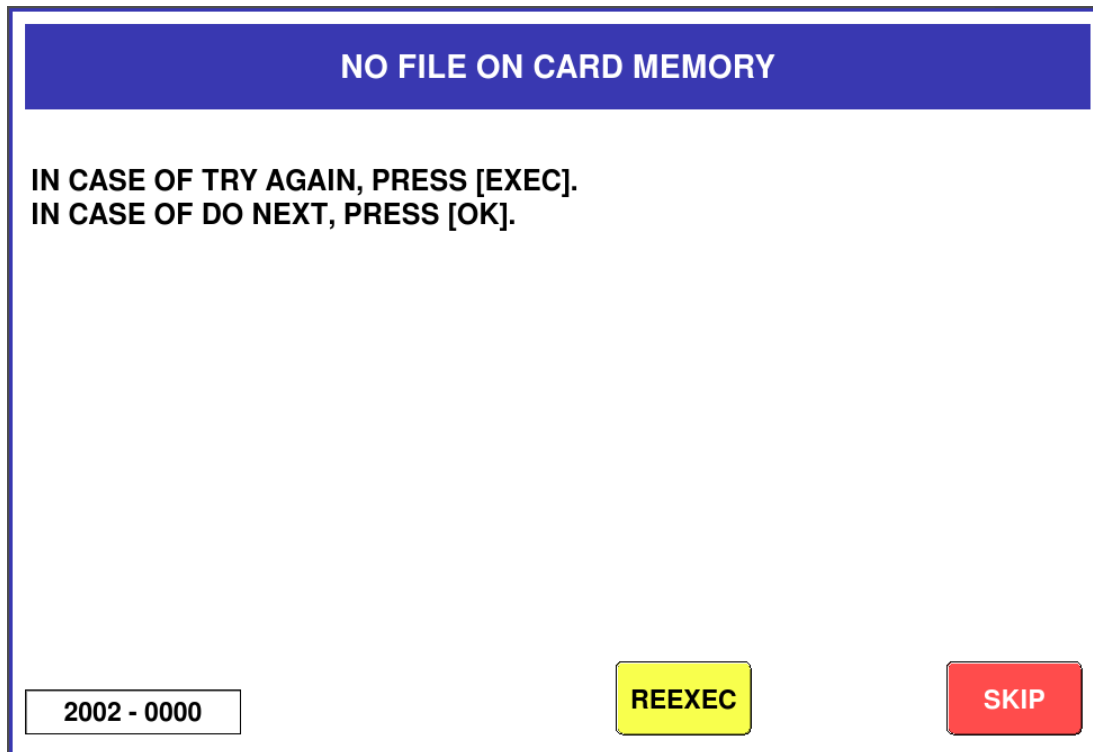
EXEC

STOP

Category	Specification
ERROR CONTENT	Occurs when switching inline or offline.
DETAILS	Enter the "production" screen from the menu screen while offline. An error screen is displayed when entering the "production" screen from the detail menu screen.
CANCELLATION METHOD	Press the [EXEC] or [STOP] [EXEC] : Switch inline. [STOP] : Leave offline.
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	Displayed in store online specifications and store real specifications.

9.7 FTP System Error

9.7.1 NO FILE ON CARD MEMORY (2002)



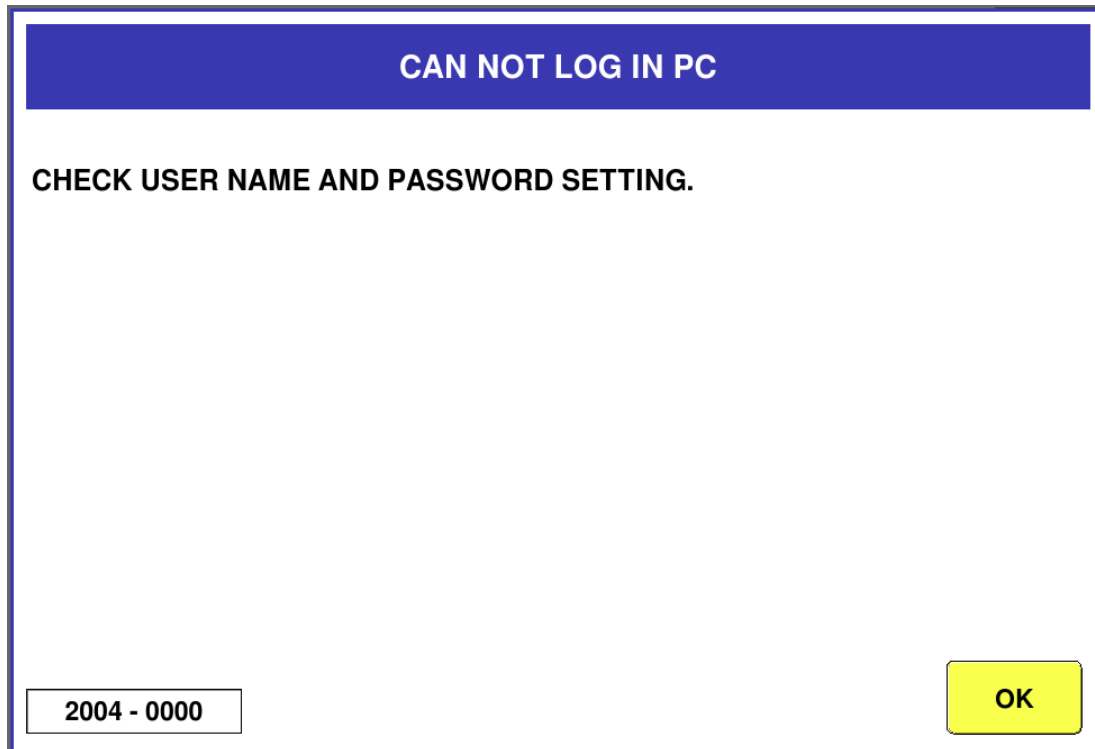
Category	Specification
ERROR CONTENT	No data to send.
DETAILS	<p><Cause></p> <p>At the time of master transmission, not a single master to be transmitted is registered.</p> <p>Alternatively, there is not a single piece of data to be sent.</p> <p><Sub-error number></p> <p>0002 fixed.</p>
CANCELLATION METHOD	[REEXEC] button, [SKIP] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	<p>※ Occurs only when "performance" and "image" are transmitted.</p> <p>※ This error does not occur during master automatic transmission at the time of power on.</p>

9.7.2 CHECK SETTING FOR DIRECTORY (2003)

CHECK SETTING FOR DIRECTORY	
<p>FILE NAME [01ITEM.CSV] FILE BUS [m02/send]</p> <p>IF YOU DO THE PROCESS AGAIN, PRESS [EXEC]. IN CASE OF DO NEXT, PRESS [OK].</p>	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">2003 - 0000</div>	<div style="background-color: yellow; border: 1px solid black; padding: 5px; display: inline-block; margin-right: 20px;">REEXEC</div> <div style="background-color: red; color: white; border: 1px solid black; padding: 5px; display: inline-block;">SKIP</div>

Category	Specification
ERROR CONTENT	Missing destination folder.
DETAILS	<p><Cause></p> <p>At the time of master transmission/reception, the folder designated by the "transmission folder (transmission time) / reception folder (reception time)" of the setting mode is not found.</p> <p><Sub-error number></p> <p>0000 : When accessing the host computer 0001 : USB memory access</p>
CANCELLATION METHOD	Press the [REEXEC] or [SKIP]
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	<p>※ This error does not occur during master automatic transmission and reception at the time of power on.</p> <p>※ Please check the settings of the "Transmit/Receive Folder" on the "Settings: Machine Division (Host)" screen.</p> <p>※ If the "/" character is at the beginning of the "send/receive folder name", this error may occur depending on the type or setting of the FTP server on the host computer.</p>

9.7.3 CAN NOT LOG IN PC (2004)



Category	Specification
ERROR CONTENT	Login to the computer failed.
DETAILS	<p><Cause></p> <p>① I was denied access (login) to the host computer because I tried to access (login) the host computer with a "username that the host computer does not have permission to the host computer.</p> <p>② The host computer was denied access (login) because the user name allowed by the host computer was incorrectly passworded.</p> <p><Sub-error number></p> <p>0000 fixed.</p>
CANCELLATION METHOD	[OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	※ Please check "User Name" and "Password" on the "Settings: Machine/Section ((Host)" screen.

9.7.4 NO FILE ON PC (2005)

NO FILE ON PC	
<p>CHECK THE PC FILE. FILE NAME [01ITEM.CSV]. FILE PATH [m02/send].</p> <p>IF YOU DO THE PROCESS AGAIN, PRESS [EXEC]. IN CASE OF DO NEXT, PRESS [OK].</p> <p>IF IT CANNOT SOLVE, CHECK LOGIN OF FTP AND DIRECTRY SETTING.</p>	
2005 - 0000	<div style="display: inline-block; border: 1px solid black; background-color: yellow; padding: 5px; margin: 5px;">REEXEC</div> <div style="display: inline-block; border: 1px solid black; background-color: red; color: white; padding: 5px; margin: 5px; margin-left: 20px;">SKIP</div>

Category	Specification
ERROR CONTENT	Receiver (computer) does not have a receiving file on receipt.
DETAILS	<p><Cause></p> <p>At the time of master reception, there is not a single master file to be received.</p> <p><Sub-error number></p> <p>0000 : When receiving from the host computer</p>
CANCELLATION METHOD	[REEXEC] button, [SKIP] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	<p>※ This error does not occur when the master is automatically received at the time of power on.</p> <p>※ On the [SETUP: MACHINE(Host)] screen, this error may occur if the incorrectly specified receiving folder was accidentally present due to an incorrect setting of the receiving folder.</p>

9.7.5 CAN NOT ACCESS TO THE FILE OF PC (2006)

CAN NOT ACCESS TO THE FILE OF PC

CHECK THE PC FILE.
FILE NAME [01ITEM.CSV].
FILE PATH [m02/send].

IF YOU DO THE PROCESS AGAIN, PRESS [EXEC].
IN CASE OF DO NEXT, PRESS [OK].

IF IT CANNOT SOLVE, CHECK LOGIN OF FTP AND DIRECTRY SETTING.

2006 - 0000

REEEXEC

SKIP

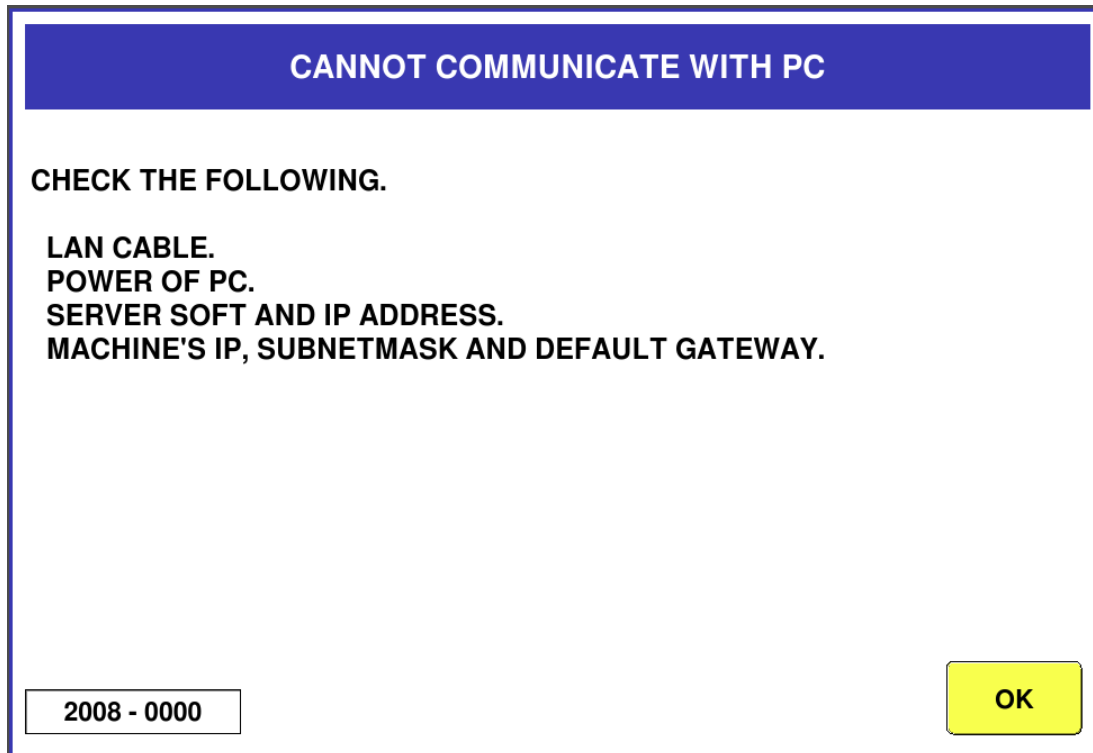
Category	Specification
ERROR CONTENT	Failed to create file at destination when sending master file.
DETAILS	<Cause> ①At the time of transmission, a file of the same name is present at the transmission destination, and read-only is set. ②At the time of transmission, there is a file of the same name at the transmission destination, and the file is opened at the transmission destination. <Sub-error number> 0000 : When sending to the host computer
CANCELLATION METHOD	[REEEXEC] button, [SKIP] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	※ This error does not occur during master automatic transmission at the time of power on.

9.7.6 SAME PLU IS EXISTING ON PC (2007)

SAME PLU IS EXISTING ON PC	
<p>CHECK THE PC FILE. FILE NAME [01ITEM.CSV]. FILE PATH [m02/send].</p> <p>IF YOU DO THE PROCESS AGAIN, PRESS [EXEC]. IN CASE OF DO NEXT, PRESS [OK].</p> <p>IF IT CANNOT SOLVE, CHECK LOGIN OF FTP AND DIRECTRY SETTING.</p>	
2007 - 0000	<div style="display: inline-block; border: 1px solid black; background-color: yellow; padding: 5px; margin: 5px;">REEXEC</div> <div style="display: inline-block; border: 1px solid black; background-color: red; color: white; padding: 5px; margin: 5px; margin-left: 20px;">SKIP</div>

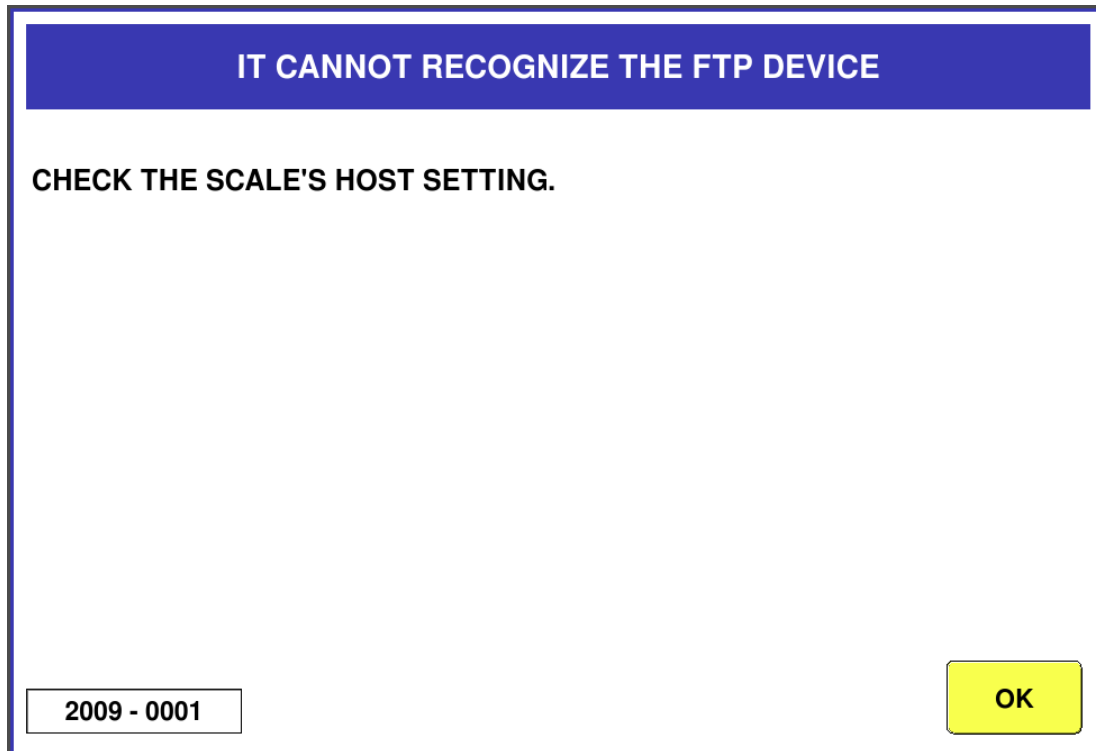
Category	Specification
ERROR CONTENT	When transmitting results in differential trunk mode, a file with the same name exists at the destination.
DETAILS	<p><Cause></p> <p>Normally, when a file of the same name is present at a transmission destination at the time of master transmission, an overwriting (the file originally present at the transmission destination disappears) is performed, but in a "differential trunk" mode for prohibiting transmission by the overwriting, this error occurs.</p> <p><Sub-error number></p> <p>0000 fixed.</p>
CANCELLATION METHOD	[REEXEC] button, [SKIP] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	<p>※ This error does not occur during master automatic transmission at the time of power on.</p> <p>※ Please "move/delete/rename" the performance file of the host computer and leave the same name file in the state where it does not exist at the destination.</p>

9.7.7 CANNOT COMMUNICATE WITH PC (2008)



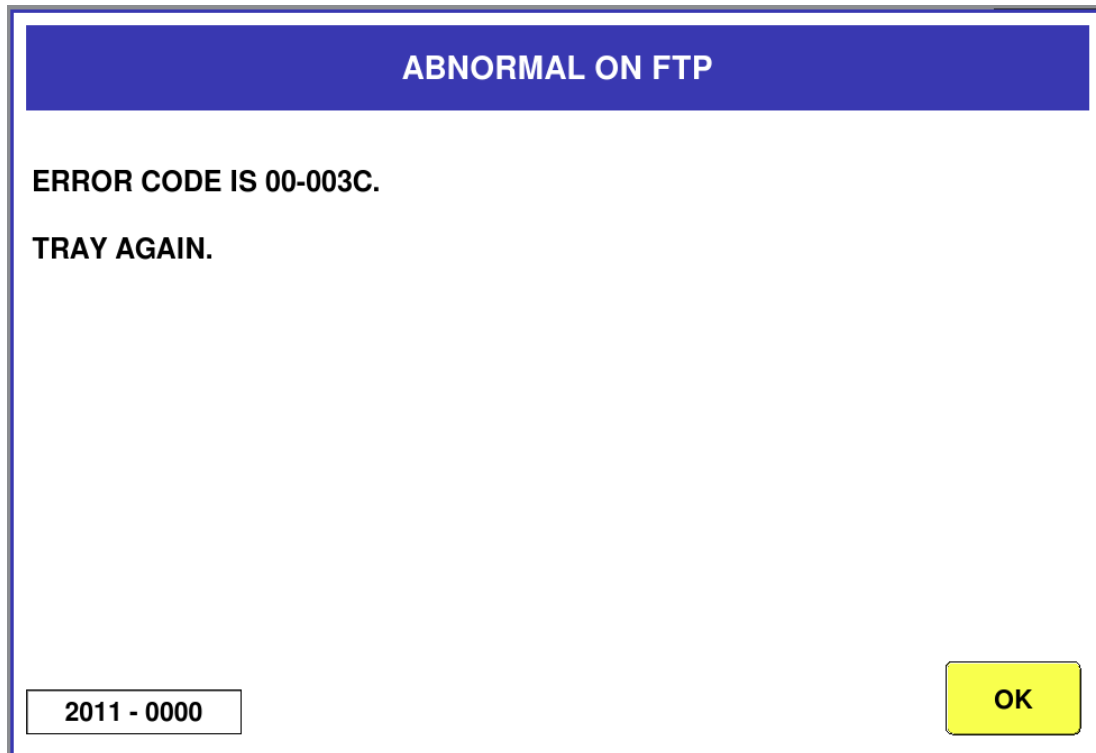
Category	Specification
ERROR CONTENT	The computer did not respond when accessing the computer.
DETAILS	<p><Cause></p> <p>① There is no LAN cable connected to the device. Alternatively, the LAN cable is half-inserted.</p> <p>② The host computer is not powered on.</p> <p>③ The FTP server on the host computer is not started.</p> <p>④ The host computer does not have a LAN cable. Alternatively, the LAN cable is half-inserted.</p> <p>⑤ Access is denied by the host computer firewall.</p> <p><Sub-error number> 0000 fixed.</p>
CANCELLATION METHOD	[OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.7.8 IT CANNOT RECOGNIZE THE FTP DEVICE (2009)



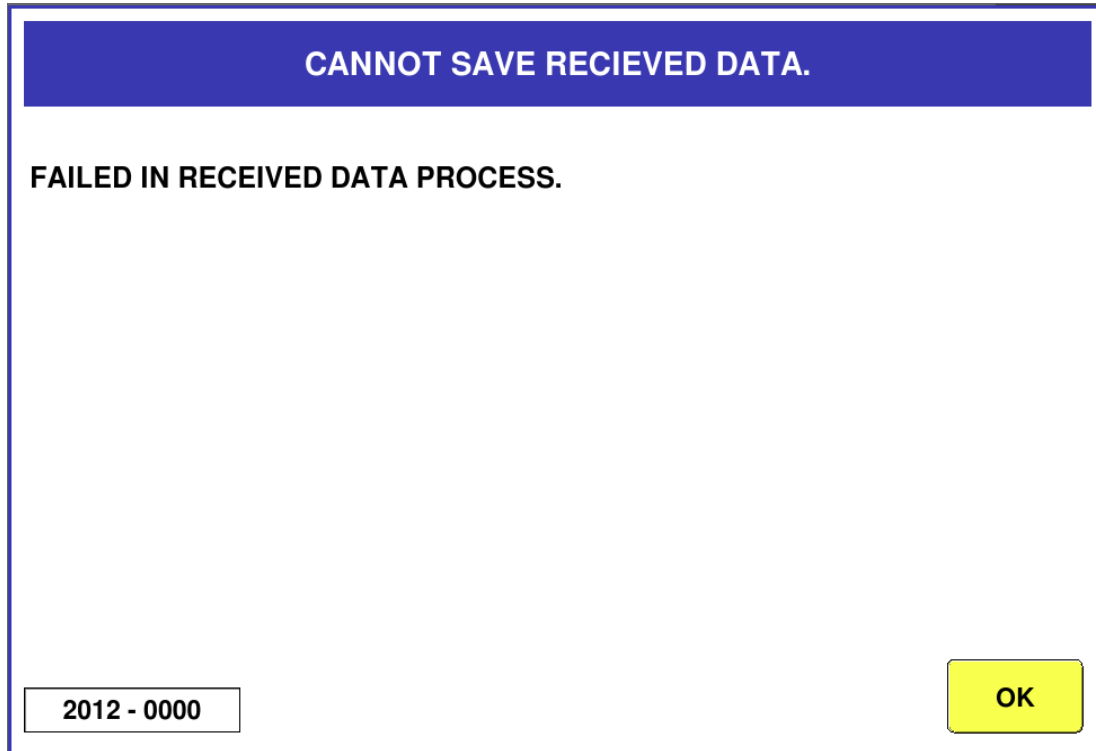
Category	Specification
ERROR CONTENT	Pre-checking during transmission and transmission does not recognize the destination device.
DETAILS	<p><Causes></p> <ul style="list-style-type: none"> ● When accessing the host computer <p>① The host integration turned on the power with the "do not" setting, and the host integration was changed to "do" to try to transmit and receive to and from the host computer without re-energizing the power.</p> <p>※ The device recognition of the host computer is performed at power-on</p> <p><Sub error number></p> <p>0000 : When connecting to the host computer</p>
CANCELLATION METHOD	[OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.7.9 ABNORMAL ON FTP (2011)



Category	Specification
ERROR CONTENT	FTP processing encountered an exception error (unexpected error).
DETAILS	<p><Cause></p> <p>In the process of communicating with a host computer and transmitting/receiving a master file, transmission/reception processing is failed for some reason other than "error cause defined in 2000 series".</p> <p><Sub-error number></p> <p>0000 : When accessing the host computer 0001: USB memory access 0002 : When accessing the internal master</p>
CANCELLATION METHOD	[OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.7.10 CANNOT SAVE RECIEVED DATA. (2012)



Category	Specification
ERROR CONTENT	When receiving a master, internal storage of the received master failed.
DETAILS	<p><Cause></p> <p>① There is not enough free space to save.</p> <p>② A database write error occurred while writing the master to the database.</p> <p><Sub-error number></p> <p>0002 fixed. ← Screen is 000000</p>
CANCELLATION METHOD	[OK] button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.7.11 CARD MEMORY IS NOT INSERTED (2020)

CARD MEMORY IS NOT INSERTED

COULD NOT WRITE TOTAL DATA TO CARD MEMORY.

CHECK THE CARD MEMORY.
[EXEC] TO PROCESS.
[STOP] TO STOP.

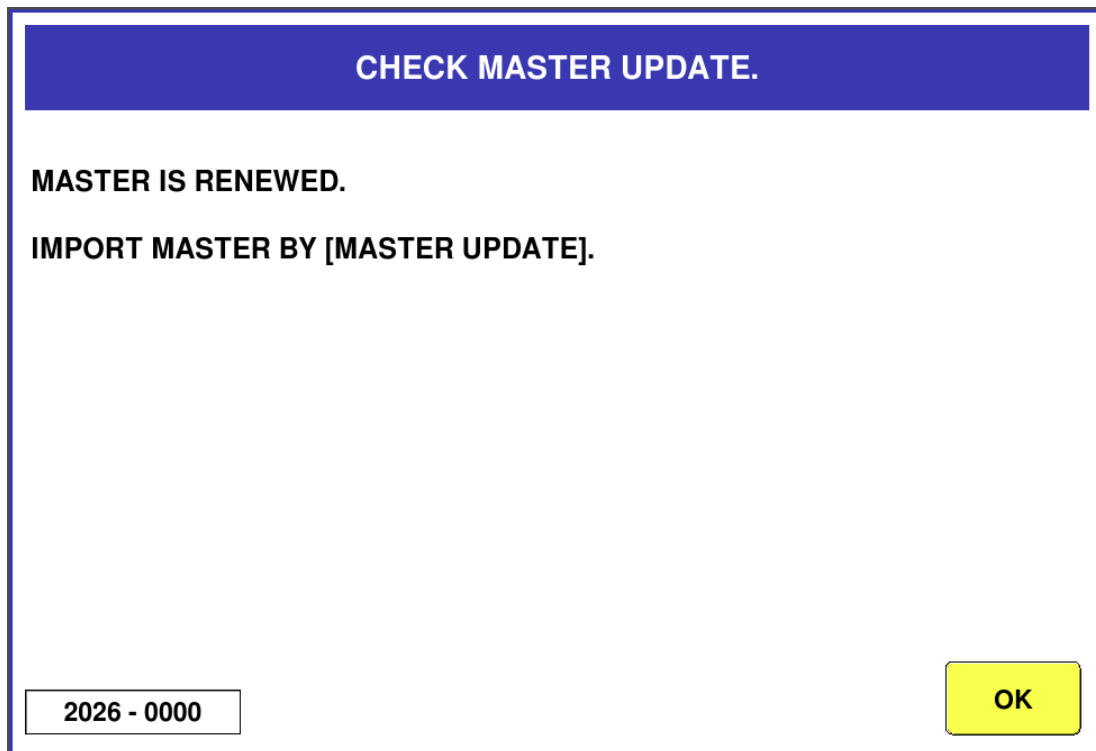
2020 - 0000

EXEC

STOP

Category	Specification
ERROR CONTENT	When receiving a master, internal storage of the received master failed.
DETAILS	<p><Cause></p> <p>In the "Settings: Direct LAN (Basic)" screen, if the result storage destination is "CARD", the result data for transmission is written to the CARD memory when it is produced in normal mode, but the CARD memory is not inserted at this time.</p> <p>Or, the device does not recognize the CARD memory.</p> <p><Sub-error number></p> <p>0000 fixed.</p>
CANCELLATION METHOD	[EXEC] button, [STOP]button
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	-

9.7.12 CHECK MASTER UPDATE (2026)



Category	Specification
ERROR CONTENT	Verifying Master Updates.
DETAILS	Displayed when a higher master is updated.
CANCELLATION METHOD	Press the [OK] button and press [Update Master].
USER ACTION	-
SERVICE ACTION	-
RELATED PLACES	-
REMARK	Show only store real specifications.

Chapter 10 MAINTENANCE CHECK LIST

The information below becomes the Maintenance Check List.

Check during daily inspection and maintenance.

Name of customer : _____

Serial No. _____

Dates of visit to the customer _____

How to fill in Normal : Y(es) / Adjustment : A / Cleaning : C / Applying the grease : G

Replacement : R / Replacement at a later date : D / Retightening : T

No.	Unit name	Check list	Period	Tool	Parts to be replaced	Remark	Check
1	SCALE UNIT	Check zero span	1year	weight			
		Inspection for four corner	1year	weight			
		On labeling mode, check whether agree or not of weight display on scale and printed result	1year				
		Check the level	everyday				
		Cleaning of scale platter	everyday			Needs to be clean	
2	PRINTER UNIT	Printing status	6month	Test mode	No35	All the letters should be printed.	
		Cassette sensor	1year	Test mode	No6	Needs to be on/off	
		Peel sensor and label sensor	6month	Test mode	No4, 13, 36	Can detect gap and label	
		Winding, noise for gear connected part movement, crack.	1year	Needs to see, white alcom grease.		Put oil when there is no oil	

Chapter 10 MAINTENANCE CHECK LIST

No.	Unit name	Check list	Period	Tool	Parts to be replaced	Remark	Check
2	PRINTER UNIT	Space for gear and position of magnet.	1year	Needs to see		Nees to be right position	
		Cleaning of thermal head	everyday	Alcohol, cloths.		No grew	
3	CASSETTE UNIT	Abnormal for the label feeding	1year	Test mode	No9	Printed letters should not be shrunked, or extended.	
		Winding, noise for gear connected part movement, crack.	1year	Needs to see, white alcom grease.		Put oil when there is no oil	
		Space for gear and position of magnet.	1year	Needs to see		Nees to be right position	
		Cleaning of printing roller	every week	Alcohol, cloths.		No paper powder	
4	CONTROL UNIT	Touch panel	6month	Test mode	No2, 4	Needs to detec by adjustment	
		Touch panel cleaning	everyday	Cloths		Needs to be clean	



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