

IMPORTANT

- Read this manual thoroughly, and do not perform installation, operation, maintenance, or inspection unless you fully understand all of the contents.
- Keep this manual in a safe place where you can refer to it easily while installing, operating, and carrying out maintenance or inspections.

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NOTICES

IMPORTANT NOTICE

Those who handle the machine must be aware of the hazards involved. These dangers may not be obvious, so it is imperative to follow the instructions detailed in this manual when installing, operating, inspecting, or servicing the machine. Therefore, we recommend that you thoroughly read and understand this manual before installing, operating, inspecting, or servicing the machine. ISHIDA is not liable for any damage, loss or injury that results from incorrect operation, insufficient caution, unauthorized modifications to the machine, or failure to follow the instructions contained in this manual.

LIMITATIONS OF LIABILITY

ISHIDA assumes no responsibility for special, indirect, or consequential damages, loss of profits or commercial loss in any way connected with the machine, whether such claim is based on contract, warranty, negligence, or strict liability.

ISHIDA assumes no responsibility for the user's programming of this machine, or any consequence thereof.

In no event shall ISHIDA be responsible for warranty, repair, or other claims regarding the machine unless ISHIDA's analysis confirms that the machines were properly handled, stored, installed, and maintained and not subject to contamination, abuse, misuse, or inappropriate modification or repair.

CHANGE IN SPECIFICATIONS

Machine specifications and accessories may be changed at any time due to improvements or other reasons. Consult with your ISHIDA representative at any time to confirm the actual specifications of the purchased machine.

ERRORS AND OMISSIONS

The information in this manual has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors, or omissions.

PRECAUTIONS

PRECAUTION SYMBOLS

This machine is manufactured for use according to proper procedures by a qualified person and only for the purposes described in this manual. The following conventions are used to indicate and classify precautions depending on the level of danger, or seriousness of potential injury. Always heed the information provided in this manual. Failure to heed precautions can result in personal injury or property damage.

Indicates a potentially hazardous situation which, if not avoided, may result in serious injury or death. Additionally, there may be significant property damage.
Indicates a potentially hazardous situation where, if not avoided, may result in minor or moderate injury or in property damage.

INFOR	Indicates reference information for operation.
REFER	Indicates the referred page for operation.

PRECAUTIONS FOR HANDLING

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

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

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

Doing so may cause the machine to break down.

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

Doing so may damage the original safety functions.

• Do not hold the connector cover when carrying the machine.

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

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

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

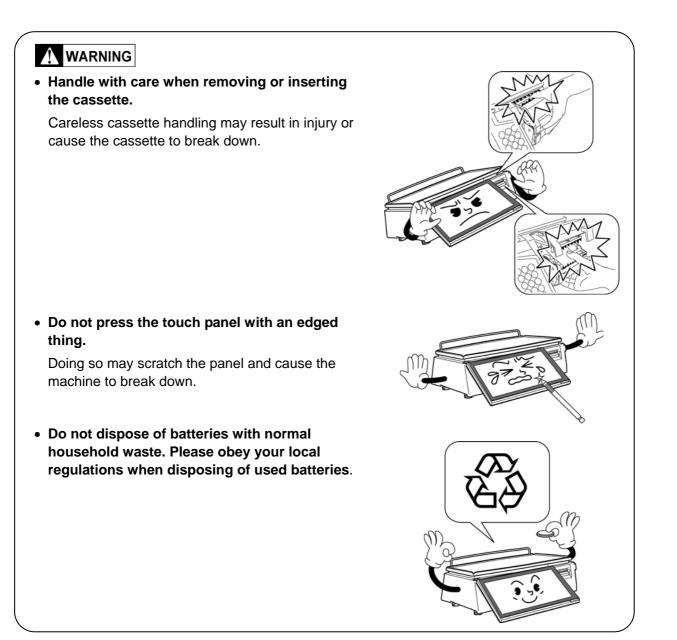
• Do not hold the customer display the when carrying the pole type machine.

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

• Do not drop the cassette.

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





PRECAUTIONS WHEN USING CLEANING FLUIDS

Use a soft cloth and a neutral detergent to clean the machine.

Do not use thinner, benzene, etc. Doing so may damage the original safety functions. For some parts, use cleaning fluid (isopropyl alcohol).





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

Take the following actions in the event of an accident:

If the fluid gets in your eye

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

If the fluid comes into contact with your skin

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

If the fumes of the fluid are inhaled

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

If the fluid is swallowed

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

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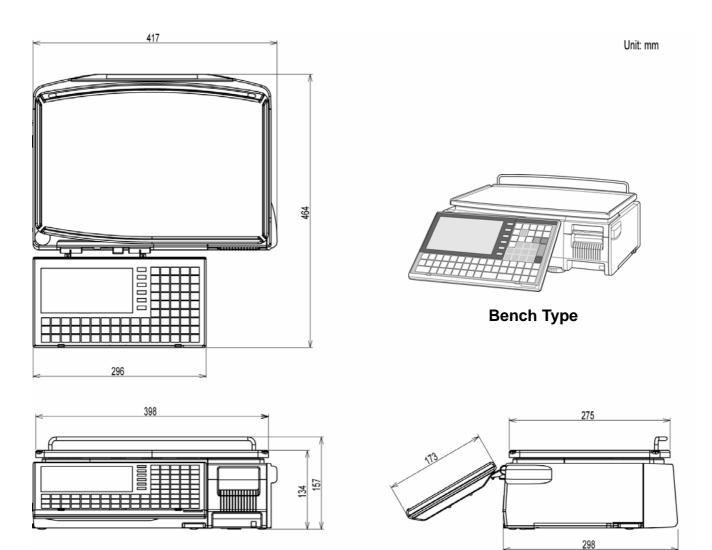
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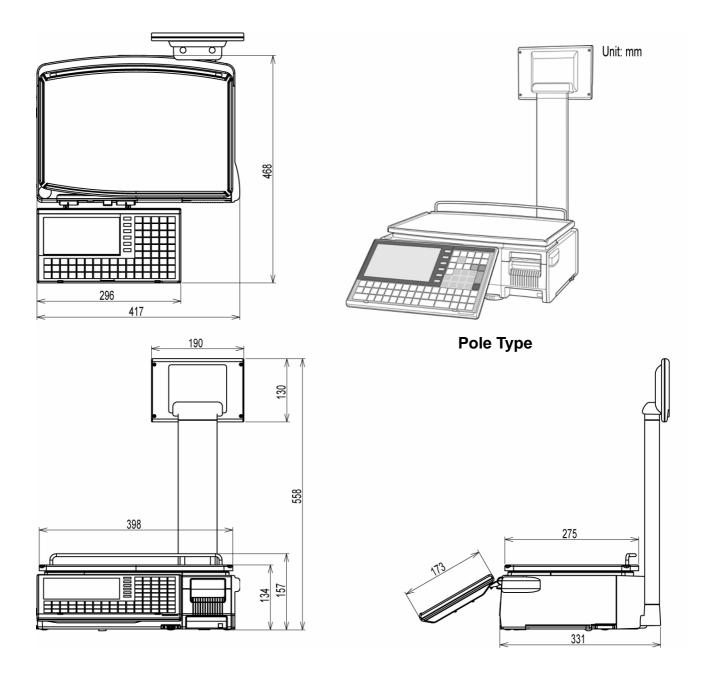
BASIC INFORMATION

1.1 OUTER DIMENSIONS FOR EACH TYPE

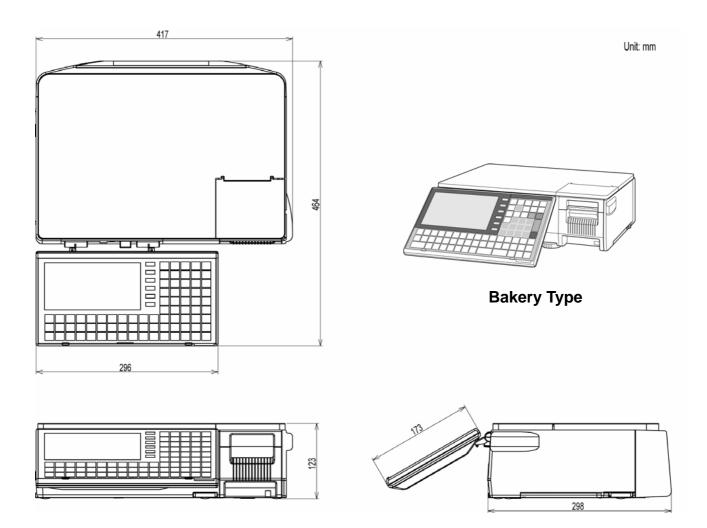
1.1.1 OUTER DIMENSIONS FOR BENCH TYPE



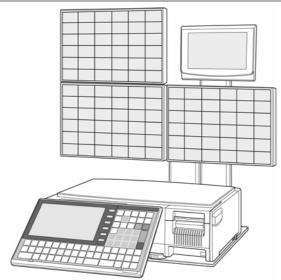
1.1.2 OUTER DIMENSIONS FOR POLE TYPE



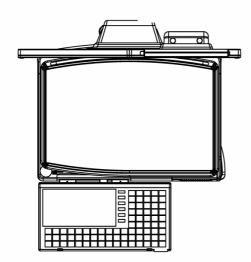
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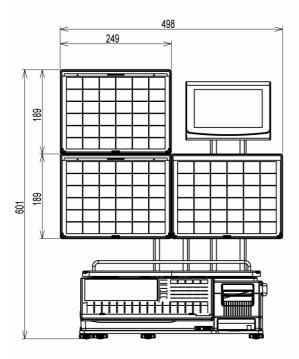


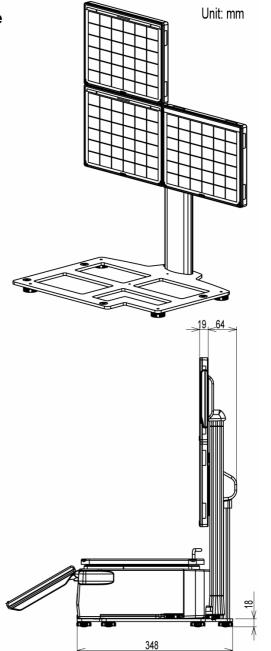
1.1.4 OUTER DIMENSIONS FOR SELF-SERVICE TYPE



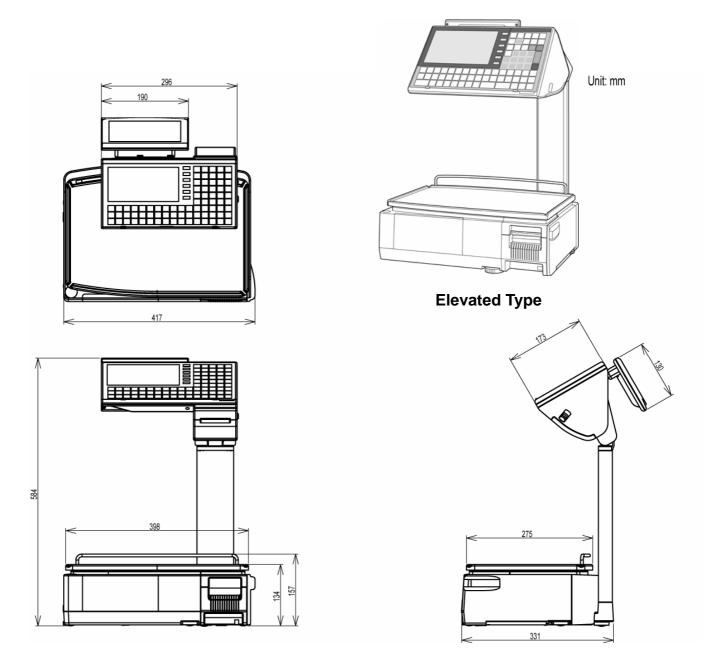
Self-service Type



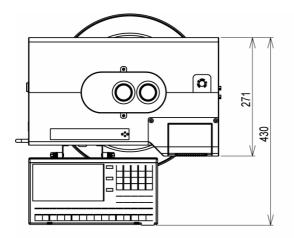


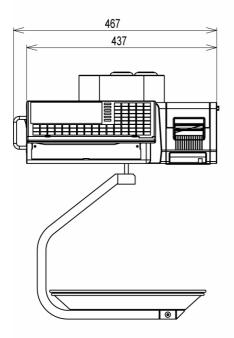


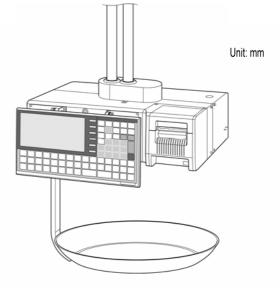
1.1.5 OUTER DIMENSIONS FOR ELEVATED TYPE



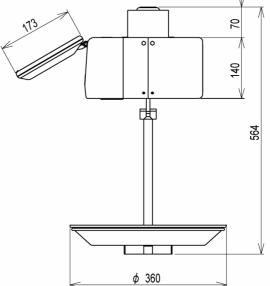
1.1.6 OUTER DIMENSIONS FOR HANGING TYPE







Hanging Type



1.2 SPECIFICATIONS

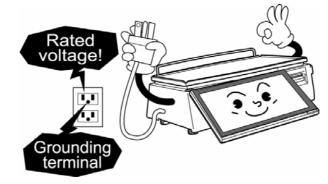
Items	Descriptions			
Use conditions	Temperature: -5 to 35°C Humidity: 30 to 85%, Non condensing.			
Power supply:	AC100 – 240V, 50 / 60Hz			
Power consumption	1.0A/0.5A			
Weighing capacity Scale interval	15 kg: 0 to 6/0.002 kg, 6 to 15/0.005 kg 30 lb: 0 to 15/0.005 lb, 15 to 30/0.01 lb			
Weighting accuracy	1/3000			
Operator/Customer display	7.0 inch color liquid crystal with back light, 480 X 234dots			
Printing method	Direct thermal method			
Thermal head	2 inches (448dots) and 8 dots/mm			
Printing speed	100mm/second, 120mm/second Note: The printing speed may vary according to label conditions.			
Printing effective size	56mm			
Label size	Label width: 30mm to 60mm Label length: 20mm to 150mm			
Number of label cassettes	7 cassettes			
Input/Output	LAN 1 channel USB 1 channel CF 1 channel Drawer 2 channels			
Program store medium	Flash ROM (32M bytes)			

1.3 INSTALLATION

1.3.1 POWER SUPPLY

It is strongly advised that the following safety measures must be observed to ensure the safe operation of the machine:

- Read precaution instructions described in this manual before connecting the power plug into the outlet.
- Always use a power supply with rated voltage. Never connect the machine power input with an AC power supply exceeding the rated voltage. To avoid any potential electrical shock, ensure that the protective ground wire is connected to the main grounding provision. Using the machine outside of the rated voltage may result in machine failure or danger such as electric shock.



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

1.3.2 PRECAUTIONS FOR INSTALLATION

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

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



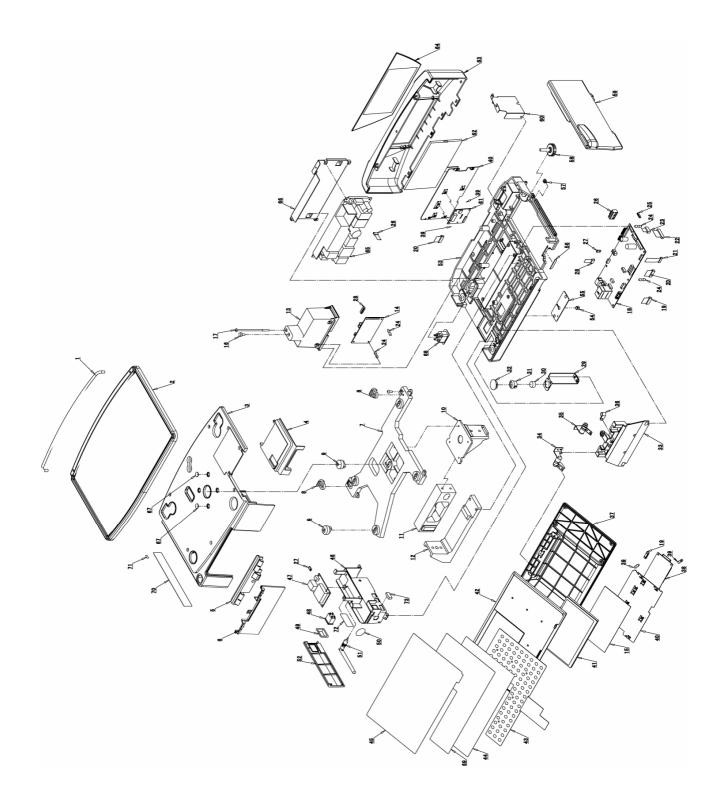




ASSEMBLY DRAWINGS

2.1 BENCH TYPE

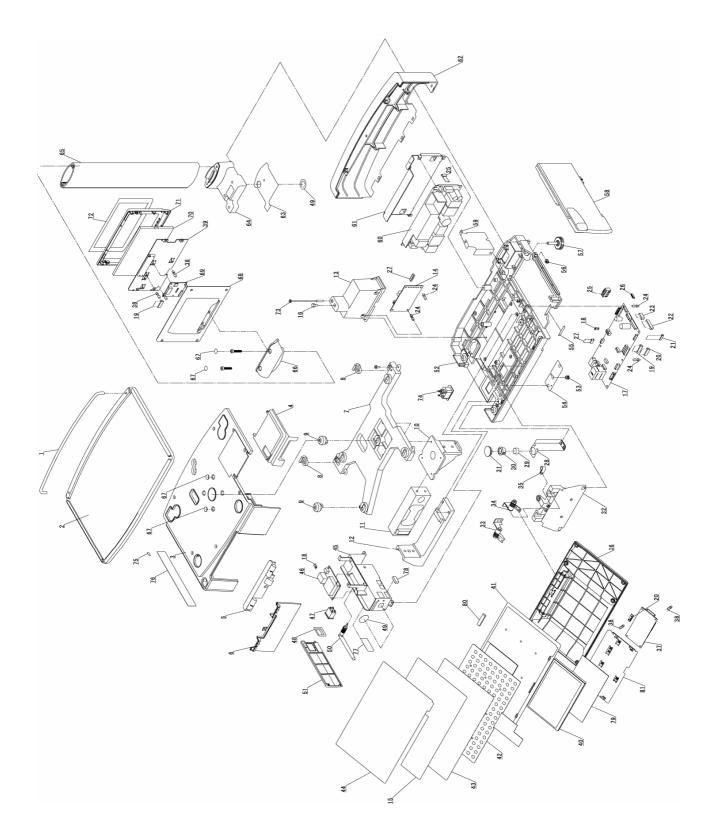




Parts List (Bench Type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	GUIDE PLATTER	1	38	PK-261	1
2	PLATTER	1	39	ACCESSORY PCB SUPPORT	2
3	CASE MAIN UPPER	1	40	BRACKET LCD	1
4	COVER PRINTER UPPER	1	41	LCD TP	1
5	COVER HINGE UPPER	1	42	CASE FRONT CONTROL	1
6	COVER HINGE LOWER	1	43	MEMBRANE	1
7	PLATTER SUPPORT	1	44	PRINTER PLATE	1
8	BLOCK HINGE PLATTER	2	45	CLEAR SHEET	1
9	RUBBER	5	46	BRACKET CONNECTOR	1
10	BRACKET PLATTER SUPPORT	1	47	WIRELESS BOARD	1
11	LOAD CELL	1	48	HARNESS 'C4' SWITCH POWER	1
12	BRACKET LOAD CELL	1	49	COVER SWITCH	1
13	CASE A/D BOARD	1	50	COVER LAN PORT	1
14	A/D BOARD	1	51	ANTENNA	1
15	SHEET DOUBLE TAPE	2	52	COVER BRACKET CONNECTOR	1
16	SCREW 'SEAL' HEXA	1	53	BASE	1
17	SCREW 'SEAL'	1	54	BUSH NG	1
18	PK-260	1	55	PLATE B RS232C	1
19	HARNESS 'C4' FRONT LCD	1	56	PLATE B MAGNET IC	1
20	HARNESS 'C4' REAR LCD	1	57	BLOCK B HINGE SIDE COVER	1
21	HARNESS 'C4' SENSOR	1	58	FOOT ADJUST	4
22	HARNESS 'C2' HEAD	1	59	COVER SIDE	1
23	HARNESS 'S2' MOTOR	1	60	COVER HARNESS	1
24	ACCESSORY PCB SUPPORT	4	61	PK-263	1
25	HARNESS 'C2' CASSETTE	1	62	LCD	1
26	HARNESS 'S2' 24V DC POWER	1	63	CASE REAR COVER	1
27	HARNESS 'S2' 5V POWER	1	64	PANEL REAR	1
28	HARNESS 'C2' A/D	1	65	POWER	1
29	BRACKET LEVEL	1	66	BRACKET POWER	1
30	LEVEL UNIT	1	67	САР	4
31	FRAME LEVEL	1	68	HARNESS 'C2' POWER	1
32	LENS LEVEL	1	69	KEY SHEET	1
33	BRACKET TORQUE HINGE	1	70	NAME PLATE SPEC	1
34	HINGE L	1	71	STICKER 'M'	1
35	HINGE R	1	72	STICKER LOCATION OUTPUT	1
36	ACCESSORY CLAMP	1	73	USB GASKET	1
37	CASE REAR CONTROL	1			

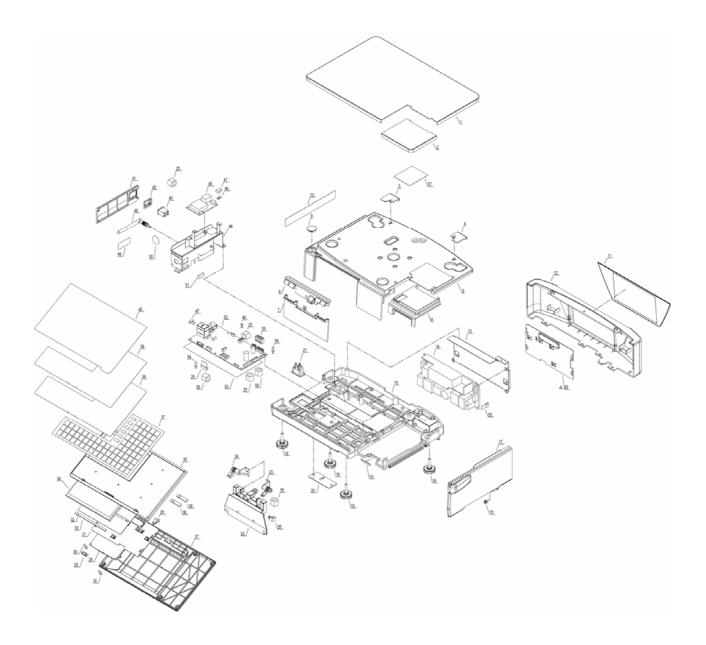
2.2 POLE TYPE



Parts List (Pole Type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	GUIDE PLATTER	1	45	BRACKET CONNECTOR	1
2	PLATTER	1	46	WIRELESS BOARD	1
3	CASE MAIN UPPER	1	47	HARNESS 'C4' SWITCH POWER	1
4	COVER PRINTER UPPER	1	48	COVER SWITCH	1
5	COVER HINGE UPPER	1	49	COVER LAN PORT	1
6	COVER HINGE LOWER	1	50	ANTENNA	1
7	PLATTER SUPPORT	1	51	COVER BRACKET CONNECTOR	1
8	BLOCK B HINGE PLATTER	2	52	BASE	1
9	RUBBER	5	53	BUSH NG	1
10	BRACKET PLATTER SUPPORT	1	54	PLATE B RS232C	1
11	LOAD CELL	1	55	PLATE B MAGNET IC	1
12	BRACKET LOAD CELL	1	56	BLOCK B HINGE SIDE COVER	1
13	CASE A/D BOARD	1	57	FOOT ADJUST	1
14	A/D BOARD	1	58	COVER SIDE	4
15	KEY SHEET	2	59	COVER HARNESS	1
16	SCREW 'SEAL' HEXA	1	60	POWER	1
17	PK-260	1	61	BRACKET POWER	1
18	HARNESS 'C2' 5V POWER	1	62	CASE REAR POLE DISPLAY	1
19	HARNESS 'C4' REAR LCD POLE	1	63	PLATE B BRACKET POLE	1
20	HARNESS 'C4' FRONT LCD	1	64	BRACKET POLE STAND	1
21	HARNESS 'C4' SENSOR	1	65	POLE STAND	1
22	HARNESS 'C2' HEAD	1	66	CASE LINK POLE	1
23	HARNESS 'S2' MOTOR	1	67	PLATE LINK POLE	4
24	ACCESSORY PCB SUPPORT	4	68	CASE REAR POLE DISPLAY	1
25	HARNESS 'C2' 24V DC POWER	1	69	PK-263	1
26	HARNESS 'C2' CASSETTE	1	70	LCD	1
27	HARNESS 'C2' A/D	1	71	CASE FRONT POLE DISPLAY	1
28	BRACKET LEVEL	1	72	SHEET DISPLAY PANEL	1
29	LEVEL UNIT	1	73	SCREW 'SEAL'	1
30	FRAME LEVEL	1	74	HARNESS 'C2' POWER	1
31	LENS LEVEL	1	75	STICKER 'M'	1
32	BRACKET TORQUE HINGE	1	76	NAME PLATE SPEC	1
33	HINGE L	1	77	STICKER LOCATION OUTPUT	1
34	HINGE R	1	78	USB GASKET	1
35	ACCESSORY CLAMP	1	79	SHEET DOUBLE TAPE	1
36	CASE REAR CONTROL	1	80	VIBRATION MOTOR	1
37	PK-261	1	81	BRACKET LCD	1
38	ACCESSORY PCB SUPPORT	1			
39	BRACKET LCD	2			
40	LCD TP	1	l		
41	CASE FRONT CONTROL	1			
42	MEMBRANE	1			
43	KEYBOARD ASSEMBLY	1			
44	CLEAR SHEET	1	l		

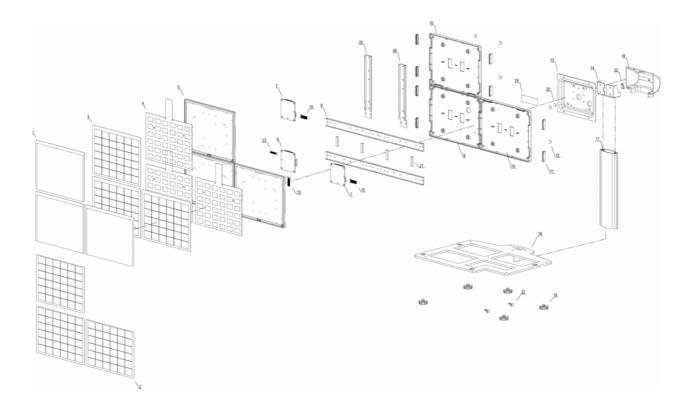
2.3 BAKERY TYPE



Parts List (Bakery Type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	COVER UPPER ASSEMBLY	1	31	BRACKET LCD	1
2	CVOER PRINTER UPPER	1	32	SHEET DOUBLE TAPE	1
3	L PLATE RIGHT	1	33	GASKET 115mm	1
4	L PLATE LEFT	1	34	TFT LCD TOUCH	1
5	CASE MAIN UPPER	1	35	CASE FRONT CONTROLL	1
6	COVER PRINTER UPPER	1	36	VIBRATOR ASSEMBLY	2
7	COVER HINGE LOWER	1	37	KEY BOARD MEMBRANE	1
8	COVER HINGE UPPER	1	38	SHEET KEY BOARD-SETTING	1
9	LEVEL LENS	1	39	SHEET KEY BOARD-PLU	1
10	NAME PLATE SPEC	1	40	COVER KEY BOARD	1
11	CASE PANEL REAR	1	41	COVER BRACKET CONNECTOR	1
12	CASE REAR COVER	1	42	COVER SWITCH	1
13	BRACKET POWER	1	43	HARNESS C4 SWITCH ASSEMBLY	1
14	POWER SUPPLY	1	44	BRACKET CONNECTOR ASSEMBLY	1
15	BASE	1	45	PWB PK-265*	1
16	BLOCK B HINGE SIDE COVER	1	46	HARNESS S2 5V POWER	1
17	COVER SIDE	1	47	HARNESS S2 LAN	1
18	FOOT LEVEL	4	48	ANTENNA FOR WIRELESS LAN	1
19	PLATE B MAGNETIC	1	49	STICKER LOCATION OUTPUT	1
20	PLATE B RS232C	1	50	STICKER SEAL	1
21	HARNESS C2 POWER ASSEMBLY	1	51	GASKET 20mm	1
22	BRACKET TORQUE HINGE	1	52	PWB PK-260*	1
23	HINGE R	1	53	INSULATION SHEET	1
24	HINGE L	1	54	ACCESSORY PWB GUIDE SPA	2
25	FERRITE CORE	3	55	HARNESS S2 24V DC POWER	1
26	EARTH CLAMP	2	56	FERRITE CORE	1
27	CASE REAR CONTROLL	1	57	DOUBLE TAPE	1
28	PWB PK-261*	1	58	FERRITE CORE	1
29	HARNESS S2 FRONT LCD	1	59	BRACKET LCD	1
30	PCB SUPPORT	2			

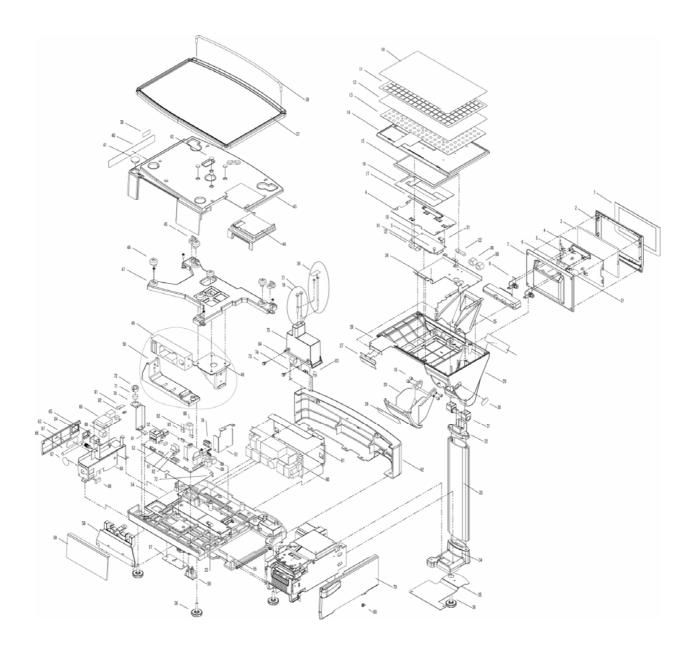
2.4 SELF-SERVICE TYPE



Parts List (Self-service Type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	COVER KEYBOARD	3	14	BRACKET POLE STAND	1
2	SHEET KEYBOARD PLU	3	15	HARNESS S2 KEY	2
3	SHEET KEYBOARD SETTING	3	16	COVER JOINT	1
4	SHEET KEYBOARD MEMBRANE	3	17	POLE STAND	1
5	CASE FRONT KEY UNIT	3	18	BASE	1
6	PWB PK-266*	1	19	FOOT ADJUST	5
7	PWB PK-267*	2	20	BUMPON	1
8	FRAME KEY UNIT	2	21	VIBRATOR ASSEMBLY	6
9	CASE REAR KEY UNIT	1	22	CABLE CLAMP	3
10	CASE REAR KEY UNIT	2	23	HARNESS C2 SERIAL	1
11	CAP RECTANGLE	8	24	NAME PLATE SPEC	1
12	САР	8	25	FRAME KEY UNIT-L	1
13	BRACKET KEY UNIT	1	26	FRAME KEY UNIT-R	1

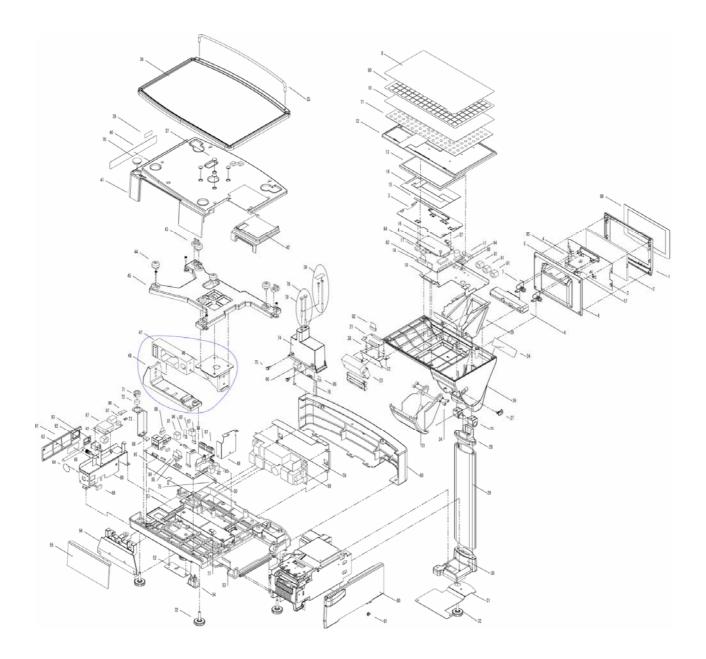
2.5 ELEVATED SINGLE PRINTER TYPE



Parts List (Elevated Single Printer type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	LCD SHEET	1	47	PLATTER SUPPORT	1
2	CASE FRONT POLE DISPLAY	1	48	BRACKET PLATTER SUPPORT	1
3	LCD	1	49	LOADCELL	1
4	BRACKET LCD	2	50	BRACKET LOADCELL	1
5	ACCESSROY PCB SUPPORT	4	51	COVER HARNESS	1
6	PWB PK-263*	1	52	PWB PK-260*	1
7	CASE REAR POLE	1	53	SHIELD PLATE	1
8	HINGE R	2	54	BASE	1
9	COVER JOINT REAR	1	55	PLATE B MAGNETIC	1
10	SHEET DISPLAY PANEL	1	56	HARNESS 'C2' POWER ASSEMBLY	1
11	SHEET KEY BOARD-PLU	1	57	PLATE B RS232C	1
12	SHEET KEY BOARD	1	58	BRACKET TORQUE HINGE	1
13	KEY BOARD MEMBRANE	1	59	COVER FRONT ELEVATE	1
14	CASE FRONT CONTROL	1	60	POWER SUPPLY	1
15	LCD TOUCH	1	61	BRACKET POWER	1
16	SHEET DOUBLE TAPE	1	62	CASE REAR POLE	1
17	GASKET 115mm	1	63	COVER BRACKET CONNECTOR	1
18	COLLAR SPACER	4	64	COVER SWITCH	1
19	PWB PK-261*	1	65	SWITCH	1
20	CASE PRINTER	1	66	ANTENNA	1
21	E ARTH CLAMP	2	67	STICKER 'SEAL'	1
22	VIBRATOR ASSEMBLY	2	68	PWB PK-265*	1
23	EARTH CLAMP	1	69	BRACKET CONNECTOR ASSEMBLY	1
24	FRAME PRINTER UPPER	1	70	BRACKET LEVEL	1
25	FRAME PRINTER	1	71	LEVEL UNIT	1
26	HOLDER COVER	1	72	FRAME LEVEL	1
27	BRACKET COVER	1	73	ACCESSROY PCB SUPPORT	4
28	PANEL COVER	2	74	PWB P-999B	1
29	CASE CONTROL REAR	1	75	CASE AD BOARD	1
30	PANEL BUTTON	1	76	SCREW 'SEAL' HEXA	1
31	BUSH TORQUE	2	77	SCREW 'SEAL' HEXA	1
32	BRACKET CONTROL	1	78	HARNESS S2 24V DC	1
33	POLE STAND	1	79	COVER SIDE	1
34	BRACKET POLE STAND	1	80	BLOCK B HINGE SIDE COVER	1
35	PLATE B BRACKET POLE	1	81	HARNESS S2 FRONT LCD(EV)	1
36	FOOT LEVEL	5	82	HARNESS S2 REAR LCD	1
37	PLATTER ASS	1	83	HARNESS 'C2' A/D	1
38	GUIDE PLATE	1	84	FERRITE CORE	1
39	STICKER VOID	2	85	HARNESS 'C2' POWER ASS'Y	1
40	NAME PLATE SPEC	1	86	GASKET 20mm	1
41	LEVEL LENS	1	87	STICKER LOCATION OUTPUT	1
42	CAP	4	88	FERRITE CORE	2
43	CASE MAIN UPPER	1	89	FERRITE CORE	3
44	COVER PRINTER UPPER	1	90	FERRITE CORE	1
	BLOCK B HINGE PLATTER	2	90 91	HARNESS S2 LAN	1
45					1 '

2.6 ELEVATED DUAL PRINTER TYPE



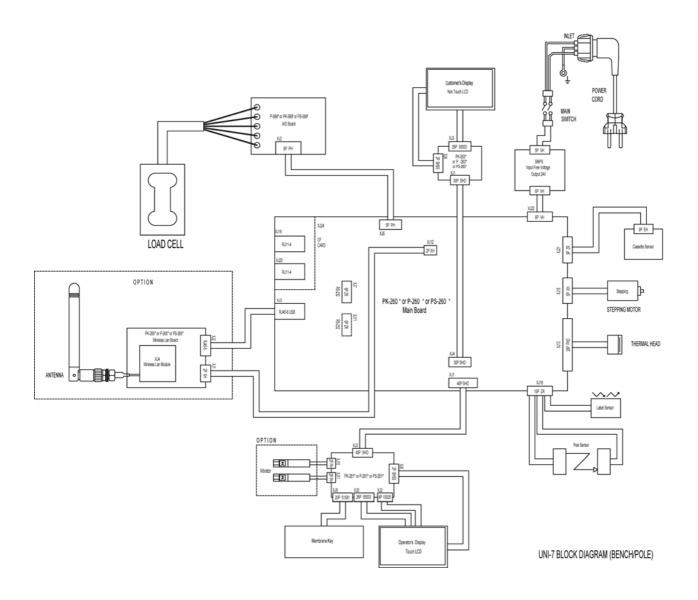
Parts List (Elevated Dual Printer Type)

NO.	PART NAME	Q'TY	NO.	PART NAME	Q'TY
1	CASE FRONT POLE DISPLAY	1	50	PWB PK-260*	1
2	LCD	1	51	BASE	1
3	BRACKET LCD	2	52	PLATE B RS232C	1
4	ACCESSROY PCB SUPPORT	4	53	PLATE B MAGNETIC	1
5	PWB PK-263*	1	54	HARNESS 'C2' POWER ASSEMBLY	1
6	CASE REAR POLE DISPLAY	1	55	COVER FRONT ELEVATE	1
7	HINGE R	2	56	BRACKET TORQUE HINGE	1
8	COVER JOINT REAR	1	57	E ARTH CLAMP	2
9	SHEET DISPLAY PANEL	1	58	POWER SUPPLY	1
10	SHEET KEY BOARD	1	59	BRACKET POWER	1
11	KEY BOARD MEMBRANE	1	60	CASE REAR POLE	1
12	CASE FRONT CONTROL	1	61	COVER BRACKET CONNECTOR	1
13	LCD TOUCH	1	62	COVER SWITCH	1
14	SHEET DOUBLE TAPE	1	63	STICKER LOCATION OUTPIT	1
15	GASKET 115mm	1	64	STICKER 'SEAL'	1
16	PWB PK-261*	1	65	ANTENNA	1
17	VIBRATOR ASSEMBLY	2	66	FERRITE CORE	1
18	PWB PK-268*	1	67	PWB PK-265*	1
19	FRAME PRINTER UPPER	1	68	GASKET 20mm	1
20	FRAME PRINTER	1	69	BRACKET CONNECTOR ASSEMBLY	1
21	PWB PK-269*	1	70	LEVEL LENS	1
22	BRACKET PRINTER UNIT	1	71	FRAME LEVEL	1
23	PRINTER MODULE ASSEMBLY	1	72	LEVEL UNIT	1
24	PANEL COVER	1	73	BRACKET LEVEL	1
25	BUSH TORQUE	2	74	CASE AD BOARD	1
26	CASE CONTROL REAR	1	75	ACCESSROY PCB SUPPORT	4
27	BUTTON PRINTER	1	76	PWB P-999*	1
28	BRACKET CONTROL	1	77	EARTH CLAMP	1
29	POLE STAND	1	78	SCREW 'SEAL' HEXA	1
30	BRACKET POLE STAND	1	79	SCREW 'SEAL' HEXA	1
31	PLATE B BRACKET POLE	1	80	COVER SIDE	1
32	FOOT LEVEL	5	81	BLOCK B HINGE SIDE COVER	1
33	CASE PRINTER	1	82	HARNESS S2 HEAD	1
34	COLLAR SPACER	4	83	HARNESS C4 SWITCH ASSEMBLY	1
35	GUIDE PLATE	1	84	HARNESS S2 FRONT LCD	1
36	PLATTER ASSEMBLY	1	85	HARNESS S2 REAR LCD	1
37	САР	4	86	HARNESS 'C2' A/D	1
38	PCB SUPPORT	1	87	HARNESS S2 24V DC	1
39	STICKER VOID	2	88	HARNESS 'C2' USB	1
40	NAME PLATE SPEC	1	89	LCD SHEET	1
41	CASE MAIN UPPER	1	90	SHEET KEY BOARD-PL U	1
42	COVER PRINTER UPPER	1	91	FRRITE CORE	4
43	BLOCK B HINGE PLATTER	2	92	FRRITE CORE	3
44	RUBBER PLATTER SUPPORT	5	93	FRRITE CORE	1
45	PLATTER SUPPORT	1	94	HARNESS 'S 2' 24V DC	1
46	BRACKET PLATTER SUPPORT	1	95	INSULATION SHEET	1
47	LOADCELL	1	96	HARNESS S2 LAN	1
48	BRACKET LOADCELL	1	97	HARNESS S2 5V POWER	1
49	COVER HARNESS	1		-	<u></u>

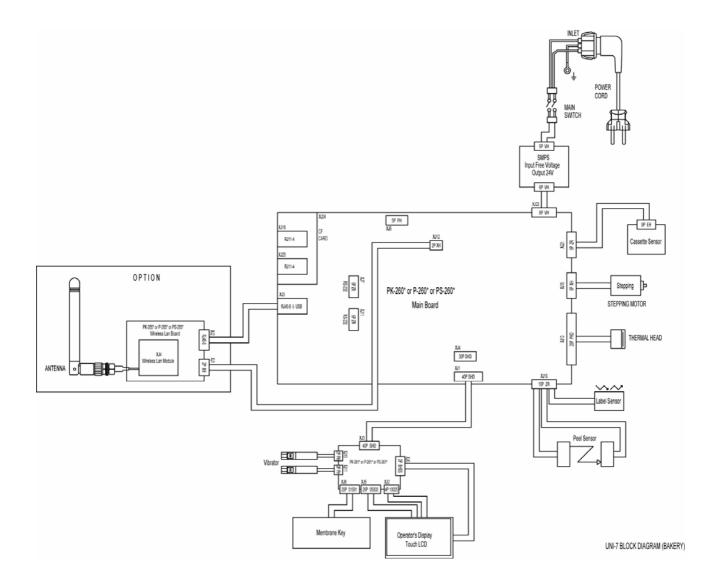
BLOCK DIAGRAMS



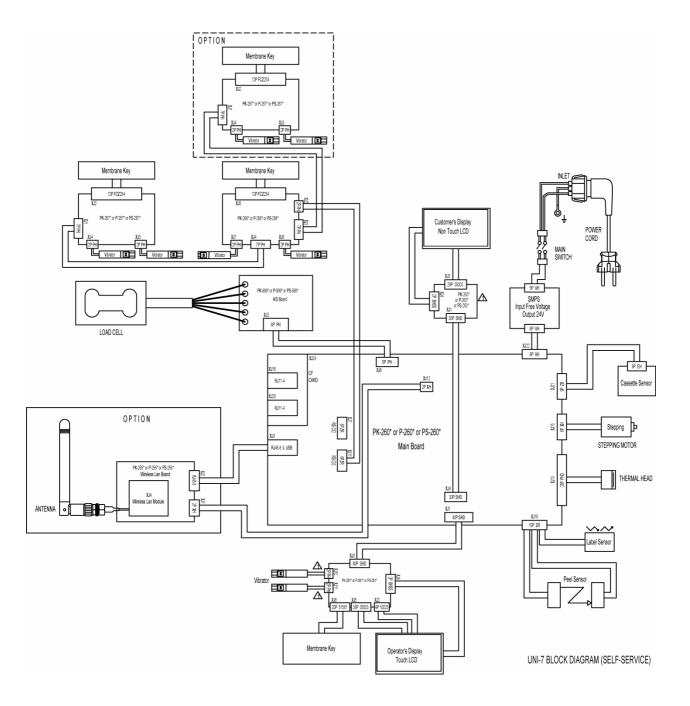
3.1 BLOCK DIAGRAM (BENCH/POLE TYPE)



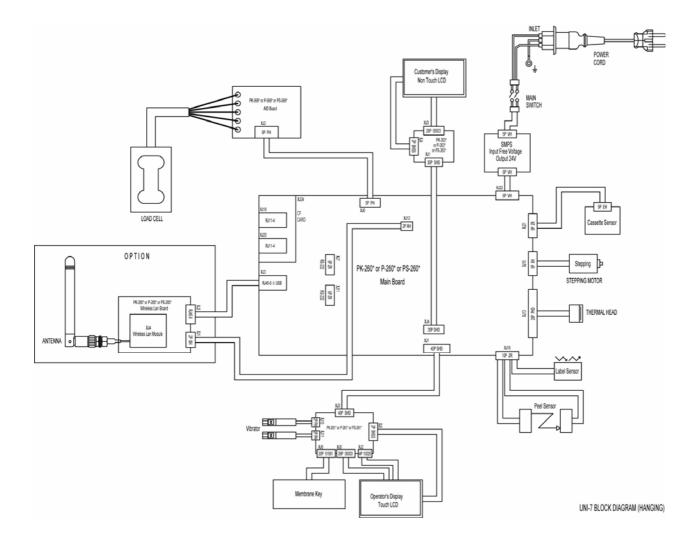
3.2 BLOCK DIAGRAM (BAKERY TYPE)



3.3 BLOCK DIAGRAM (SELF-SERVICE TYPE)

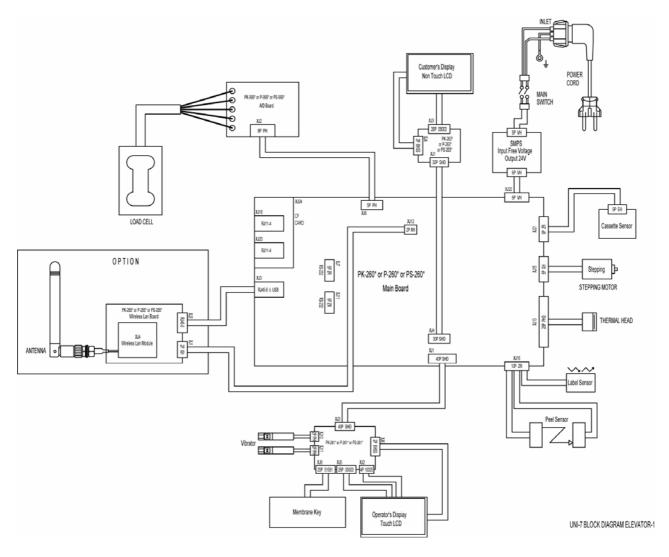


3.4 BLOCK DIAGRAM (HANGING TYPE)

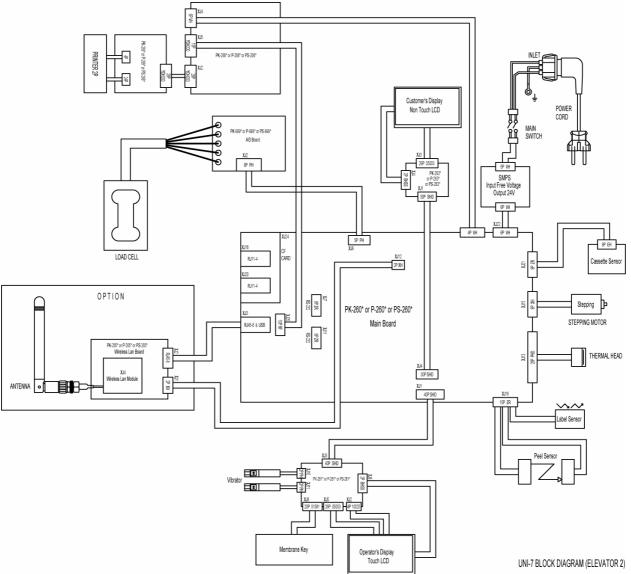


3.5 BLOCK DIAGRAM (ELEVATED TYPE)

Single Printer



Dual Printer



ELECTRICAL SIGNALS

4.1 MAIN BOARD (PK-260)

Before replacing the main board PK-260, make sure to turn ON the battery switch and every switch 1 is turned OFF.

XJ1

	1	1	1 1
No.	Signal Name	Direction	Opposite Side
1,2,5,7,9,11,14, 16,18,25,26,40	GND	-	
3,4	DC+5V power supply for LCD	\rightarrow	
6,8,10,12,13, 15,17,19,20	LCD control signal	\rightarrow	
21,22	AC power supply for LCD	-	
23	DC-10V power supply for LCD	-	
24	DC+15V power supply for LCD	-	PK-261(XJ3)
27	DC+15V power supply for LCD backlight	-	
28,29	Light control signal for LCD backlight	←	
30	External buzzer signal	\rightarrow	
31	Vibration signal	\rightarrow	
32,33	DC+5V	-	
34 - 39	Membrane key control signal	$\leftarrow \rightarrow$	

No.	Signal Name	Direction	Opposite Side
1 - 14	Debug signal	\longleftrightarrow	Unused

No.	Signal Name	Direction	Opposite Side
USB-1	Vbus	-	
USB-2	D-	\longleftrightarrow	
USB-3	D+	\longleftrightarrow	
USB-4	GND	-	
LAN-1	TX+	\rightarrow	
LAN-2	TX-	\rightarrow	LAN, USB memory
LAN-3	RX+	←	LAN, USB memory
LAN-4	Not connected		
LAN-5	Not connected		
LAN-6	RX-	←	
LAN-7	Not connected	-	
LAN-8	Not connected	-	

XJ4

No.	Signal Name	Direction	Opposite Side
1,2,5,7,9,11, 14,16,29,30	GND	-	
3,4	DC+5V power supply for LCD	-	
6,8,10,12,13, 15,17,18,19	LCD control signal	\rightarrow	PK-263(XJ1)
20,21	AC power supply for LCD	-	
22	DC-10V power supply for LCD	-	
23	DC+15V power supply for LCD	-	
26	DC+15V power supply for LCD backlight	-	
27,28	Light control signal for LCD backlight	\rightarrow	
24,25	DC+5V	-	

730			
No.	Signal Name	Direction	Opposite Side
1	D#		
2	D		
3	DC+12V		P-999
4	GND		
5	FG		

<u>X01</u>			
No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	GND	-	
3	TxD	\rightarrow	Unused
4	RTS	\rightarrow	Onused
5	RxD	\leftarrow	
6	CTS	\downarrow	

XJ8

No.	Signal Name	Direction	Opposite Side
1	BAT+	-	Unused
2	GND	-	Unused

XJ9

No.	Signal Name	Direction	Opposite Side
1 - 6	For CPLD writing	$\leftarrow \rightarrow$	Unused

XJ10

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	- Unused
2	GND	-	

XJ11

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	Unused
2	GND	-	
3	TxD	\rightarrow	
4	RTS	\rightarrow	Unused
5	RxD	\leftarrow	
6	СТЅ	\leftarrow	

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	- Unused
2	GND	-	

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	GND	-	
3,4,6,7,8, 9,10,27	Thermal head control signal	\longleftrightarrow	The survey of the second
11,12	Thermistor input signal	\leftarrow	Thermal head
20,21,22,23, 24,25,26	DC+24V	-	
13,14,15,16, 17,18,19	GND	_	-

XJ15

<u>AU13</u>			
No.	Signal Name	Direction	Opposite Side
1	B#	\rightarrow	Stepping motor for label feeding
2	В	\rightarrow	
3	A#	\rightarrow	
4	A	\rightarrow	
5,6	DC+24V	-	

No.	Signal Name	Direction	Opposite Side
1	Peel sensor DC+5V	-	
2	Peel sensor LED_GND	-	
3	Peel sensor LED_VCC	-	
4	Peel sensor SENS_IN	←	
5	Peel sensor GND	-	Peel sensor
6	Label sensor DC+5V	-	Label sensor
7	Label sensor LED_GND	-	
8	Label sensor LED_VCC	-	
9	Label sensor SENS_IN	-	
10	Label sensor GND	-	

71010			
No.	Signal Name	Direction	Opposite Side
1	Unused	-	- Cash drawer 2
2	DC+24V for drawer	-	
3	GND	-	
4	Unused	-	

XJ20

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

<u>XJ21</u>

No.	Signal Name	Direction	Opposite Side
1	Cassette 0 LED	-	
2	Cassette 0 SENS_IN	\downarrow	
3	Cassette 1 LED	-	
4	Cassette 1 SENS_IN	\leftarrow	
5	Cassette 2 LED	-	Cassette sensor
6	Cassette 2 SENS_IN	\downarrow	
7	Cassette 3 LED	-	
8	Cassette 3 SENS_IN	\leftarrow	
9	GND	-	

XJ22

No.	Signal Name	Direction	Opposite Side
1,2,3	DC+24V main power supply	-	Switching power supply
4,5,6	GND	-	

No.	Signal Name	Direction	Opposite Side
1,2	DC+24V	-	Unused
3,4	GND	-	Ollused

No.	Signal Name	Direction	Opposite Side
13,38	DC+3.3V	-	
1,50	GND	-	
Others	CF control signal	\longleftrightarrow	

No.	Signal Name	Direction	Opposite Side
2	USB_VBUS	-	
4	USB_D+	\longleftrightarrow	
6	USB_D-	\longleftrightarrow	
8	USB_GND	-	
10	NONE	-	
1	VBUS	-	
3	D+	\longleftrightarrow	
5	D-	\longleftrightarrow	
7	GND	-	

4.2 KEY/LCD BOARD (PK-261)

XJ1

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	MODE	\rightarrow	
3	RESET	\leftarrow	Unused
4	Unused	-	
5,6	GND	-	

XJ2

No.	Signal Name	Direction	Opposite Side
110.		Direction	
1	X1	$\rightarrow \leftarrow$	· · Touch panel
2	X2	$\rightarrow \leftarrow$	
3	Y1	$\rightarrow \leftarrow$	
4	Y2	$\rightarrow \leftarrow$	

<u>XJ3</u>

700			
No.	Signal Name	Direction	Opposite Side
1,2,5,7,9,11,14, 16,18,25,26,40	GND	-	
3,4	DC+5V power supply for LCD	\rightarrow	
6,8,10,12,13, 15,17,19,20	LCD control signal	\rightarrow	
21,22	AC power supply for LCD	-	
23	DC-10V power supply for LCD	-	
24	DC+15V power supply for LCD	-	PK-260(XJ1)
27	DC+15V power supply LCD backlight	-	
28,29	Light control signal for LCD backlight	←	
30	External buzzer signal	\rightarrow	
31	Vibration signal	\rightarrow	
32,33	DC+5V	-	
34 - 39	Membrane key control signal	\longleftrightarrow	

No.	Signal Name	Direction	Opposite Side
1	GND	-	
2	DIM	\rightarrow	Unused
3	DC+5V	-	

No.	Signal Name	Direction	Opposite Side
2,20	DC+5V	-	
1,21	GND	-	
25	DC+5V power supply for LCD	-	
26	LCD GND	-	LCD
10,11	AC power supply for LCD	-	
3	DC-10V power supply for LCD	-	
4	DC+15V power supply for LCD	-	
Others	LCD control signal	\longleftrightarrow	

XJ6

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	LCD backlight
2	GND	-	LOD Dackight

XJ8

No.	Signal Name	Direction	Opposite Side
1,2,3,4, 5,6,7,8	Key scanning	\rightarrow	
	KS0 - KS7		
9,10,11,12,	Key data		Membrane key
13,14,15,16, 17,18,19	KD0 - KD10	Ļ	
20	Unused	-	

XJ9

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	Unused
2	GND	-	Unuseu

<u>XJ10,11</u>

No.	Signal Name	Direction	Opposite Side
1	DC+5V for vibration	-	Vibration unit
2	GND	-	

4.3 LCD BOARD (PK-263)

XJ1

No.	Signal Name	Direction	Opposite Side
1,2,5,7,9,11, 14,16,29,30	GND	-	
3,4	DC+5V power supply for LCD	-	
6,8,10,12,13, 15,17,18,19	LCD control signal	\rightarrow	
20,21	AC power supply for LCD	-	
22	DC-10V power supply for LCD	-	PK-260(XJ4)
23	DC+15V power supply for LCD	-	
26	DC+15V power supply for LCD backlight	-	
27,28	Light control signal for LCD backlight	\rightarrow	
24,25	DC+5V	-	

XJ2

No.	Signal Name	Direction	Opposite Side
1	GND	-	
2	DIM	\rightarrow	Unused
3	DC+5V	-	

XJ3

			i
No.	Signal Name	Direction	Opposite Side
2,20	DC+5V	-	
1,21	GND	-	
25	DC+5V power supply for LCD	-	
26	LCD GND	-	LCD
10,11	AC power supply for LCD	-	LOD
3	DC-10V power supply for LCD	-	
4	DC+15V power supply for LCD	-	
Others	LCD control signal	\longleftrightarrow	

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	LCD backlight

4.4 WIRELESS LAN BOARD (PK-265)

XJ1

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	PK-260 XJ12
2	GND	-	1 11-200 /012

<u>XJ2</u>

No.	Signal Name	Direction	Opposite Side
1	TX+	\rightarrow	
2	TX-	\rightarrow	
3	RX+	\leftarrow	
6	RX-	\leftarrow	PK-260 XJ3
10	LEDR	-	1 11-200 / 33
11	LEDL	-	
4,7,13,14	GND	-	
9,12	DC+3.3V	-	

4.5 SELF-SERVICE MASTER BOARD (PK-266)

XJ1			
No.	Signal Name	Direction	Opposite Side
1	CNVss	-	
2,4,6,10,12,14,	GND	-	
3,9	NC	-	
5	TxD	\rightarrow	Unused
7	MODE	\rightarrow	onuseu
8	DC+5V	-	
11	RxD	\leftarrow	
13	RESET	\leftarrow	

XJ2

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	TxD	\rightarrow	PK-260 XJ11
3	RxD	\leftarrow	11-200 / 311
4	P_GND	-	

<u>XJ3/XJ4</u>

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	GND	-	PK-267 XJ1
3,4,5,6	Membrane key control signal	\longleftrightarrow	

XJ5

No.	Signal Name	Direction	Opposite Side
1,2,3,4,5,6	Key scan KS0 - KS5	\rightarrow	Membrane key
7,8,9,10,11,12	Key data KD0 - KD5	Ļ	Membrane key

XJ6/XJ7

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	Vibration unit
2	GND	-	

4.6 SELF-SERVICE MASTER BOARD (PK-267)

XJ1		
	No	

No.	Signal Name	Direction	Opposite Side
1	DC+5V	-	
2	GND	-	PK-266 XJ3/XJ4
3,4,5,6	Membrane key control signal	$\leftarrow \rightarrow$	

No.	Signal Name	Direction	Opposite Side
1,2,3,4,5,6	Key scan KS0 - 5	\rightarrow	Membrane key
7,8,9,10,11,12	Key data KD0 - 5	Ļ	Membrane key

4.7 THERMAL BOARD (PK-268)

XJ2			
No.	Signal Name	Direction	Opposite Side
1	PS (Paper sensor receiver)	←	
2	VPS (Paper sensor receiver)	\rightarrow	
3,4,11,12, 13,14,25	GND	-	
5	HS(platen position sensor)	←	
6,19,20	DC+24V(Head drive power supply)	-	
7,8,9,16, 17,18	Thermal head control signal	\longleftrightarrow	
10	DC+5V	-	
15	TH (Thermistor input signal)	←	PK-269 XJ1
21	MOTOR_A	\rightarrow	
22	MOTOR_B	\rightarrow	
23	MOTER_A#	\rightarrow	
24	MOTER_B#	\rightarrow	
26	CUTS (Cutter sensor)	←	
27	CUTB (Cutter motor)	\rightarrow	
28	CUTA (Cutter motor)	\rightarrow	

No.	Signal Name	Direction	Opposite Side
1	CD+24V	-	PK-260 XJ23
2	DC+24V	-	
3	DC+24V	-	
4	GND	-	
5	GND	-	
6	GND	-	

No.	Signal Name	Direction	Opposite Side
1	D_Vbus	-	
2	U_Vbus	-	
3	D_D-	\longleftrightarrow	
4	U_D-	\longleftrightarrow	
5	D_D+	\longleftrightarrow	PK-260 XJ25
6	U_D+	\longleftrightarrow	1 11-200 7020
7	D_GND	-	
8	U_GND	-	
9	D_GND	-	
10	U_GND	-	

XJ6

No.	Signal Name	Direction	Opposite Side
1	D_Vbus (Port4)	-	
2	D_Vbus (Port3)	-	
3	D_D- (Port4)	$\leftarrow \rightarrow$	
4	D_D- (Port3)	$\leftarrow \rightarrow$	
5	D_D+ (Port4)	\longleftrightarrow	Unused
6	D_D+ (Port3)	\longleftrightarrow	Onused
7	D_GND (Port4)	-	
8	D_GND (Port3)	-	
9	Кеу	-	
10	D_GND (Port3)	-	

No.	Signal Name	Direction	Opposite Side
1	SG	-	
2	DC+5V	-	Unused
3,4,5,6,7,8	FROM write signal	\longleftrightarrow	

4.8 THERMAL CONNECTOR BOARD (PK-268)

XJ1			
No.	Signal Name	Direction	Opposite Side
1	VPS (Paper sensor emmiter)	←	
2	PS (Paper sensor receiver)	\rightarrow	
3,4,11,12, 13,14,26	GND	-	
5,19,20	DC+24V(Head drive power supply)	-	
6	HS (Platen position sensor)	\rightarrow	
7,8,9,15, 17,18	Thermal head control signal	$\leftarrow \rightarrow$	
10	DC+5V	-	
16	TH (Thermistor input signal)	\rightarrow	PK-268 XJ2
21	MOTOR_B	←	
22	MOTOR_A	←	
23	MOTER_B#	←	
24	MOTER_A#	←	
26	CUTS (Cutter sensor)	\rightarrow	
27	CUTB (Cutter motor)	←	
28	CUTA (Cutter motor)	←	

XJ2

No.	Signal Name	Direction	Opposite Side
1	GND	-	
2	CUTS (Cutter sensor)	\leftarrow	Printer unit
3	CUTB (Cutter motor)	\rightarrow	
4	CUTA (Cutter motor)	\rightarrow	

No.	Signal Name	Direction	Opposite Side
1	PS (Paper sensor receiver)	\leftarrow	- Printer unit
2	VPS (Paper sensor emmiter)	\rightarrow	
3,4,11,12, 13,14,25	GND	-	
5	HS (Platen position sensor)	\downarrow	
6,19,20	DC+24V (Head drive power supply)	-	
7,8,9,16, 17,18	Thermal head control signal	\longleftrightarrow	
10	DC+5V	_	
		-	

No.	Signal Name	Direction	Opposite Side
15	TH (Thermistor input signal)	\leftarrow	
21	MOTOR_A	\rightarrow	
22	MOTOR_B	\rightarrow	
23	MOTER_A#	\rightarrow	
24	MOTER_B#	\rightarrow	

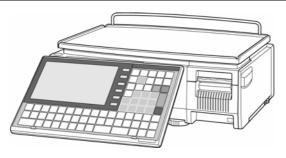
4.9 SCALE BOARD (PK-999)

	1		
No.	Signal Name	Direction	Opposite Side
1	D#		
2	D		
3	DC+12V		
4	GND		•PK-260
5	FG		200
6	Not connected		
7	Not connected		
8	Not connected		

MACHINE DISASSEMBLY



5.1 BENCH TYPE



5.1.1 UPPER CASE

1 Hold up the front side of the weigh platter and pull to remove the platter.



3. Raise the operation panel and remove the screw fixing the hinge cover.



5. Remove the five screws (blue), two tapping screws (red), and one TP screw (green).



* Reverse this procedure for assembly.

2. Pull out the cassette unit from the main unit.



4. Make the operation panel angle about 45° and pull out the hinge cover.



6. Remove the upper case.



5.1.2 WEIGH PLATTER HOLDER

1 Make sure that the upper case is removed. (Refer to section 5.1.1)



3. Remove the weigh platter holder.

2.Remove the four screws fixing the weigh platter holder.





* Reverse this procedure for assembly.

5.1.3 MAIN BOARD

1. Unplug all harnesses connected to the main board.

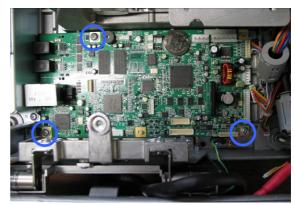


3. Squeeze the two spacers to remove the main board.



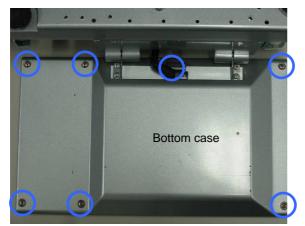
Reverse this procedure for assembly.

2.Remove the three screws fixing the main board.



5.1.4 OPERATION PANEL

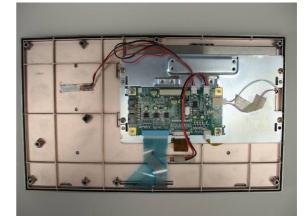
1 Remove the seven fixing screws located on the bottom of the operation panel.



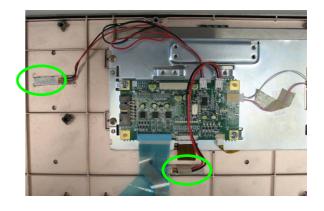
3. Unplug all harnesses and remove the fixing screws to detach the touch panel LCD with the bracket.

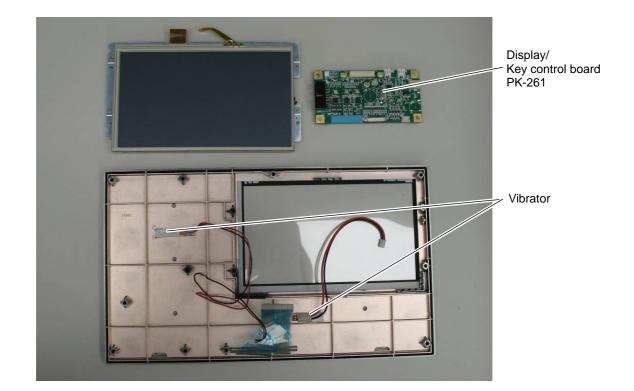


2.Remove the bottom case of the operation panel.



4 Unplug the harnesses and peel off the vibrator attached with the double-faced tape.



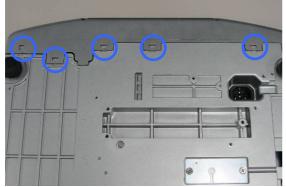




* Reverse this procedure for assembly.

5.1.5 CUSTOMER DISPLAY

1 Disengage the five hooks located on the bottom of the machine using a slotted screwdriver.

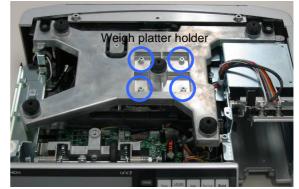


3. Remove the weigh platter holder and unplug the harness connected with the main board.

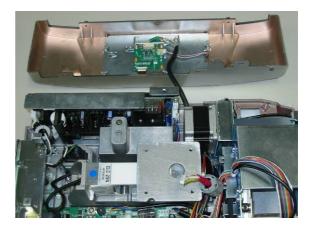


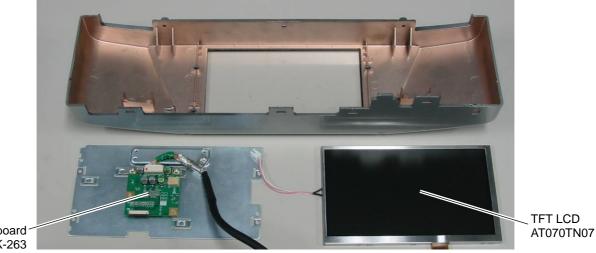
5. Detach the display control board and TFT LCD.

2.Remove the four screws fixing the weigh platter holder.



4 Detach the customer display unit.





Display control board PK-263

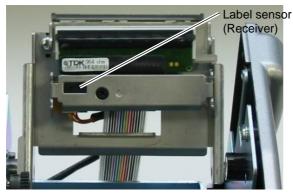
* Reverse this procedure for assembly.

5.1.6 LABEL SENSOR

1. Pull out the cassette unit from the main unit.

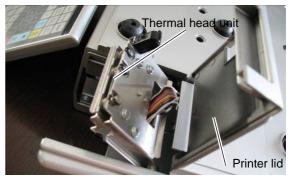


3. This photo shows the location of the label sensor receiver.



5. Carefully remove the two screws fixing the label sensor unit so as not to drop or lose the inserted collars.

2. Open the printer lid.



4 Lower the thermal head unit by pushing down the lever.



6. Unplug the harness.



7. This photo shows the breakdown of the sensor unit.



* Reverse this procedure for assembly.



8. Remove the screw fixing the bracket.

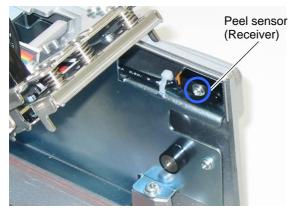


5.1.7 PEEL SENSOR

1. Pull out the cassette unit from the main unit.



3. Remove the screw and unplug the harness to remove the peel sensor receiver.



* Reverse this procedure for assembly.

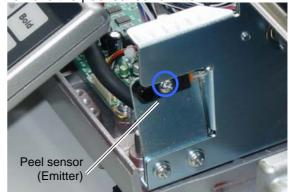
5.1.8 CASSETTE SENSOR

1 Pull out the cassette unit from the main unit.

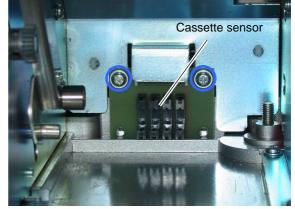


* Reverse this procedure for assembly.

2. Remove the screw and unplug the harness to remove the peel sensor emitter.

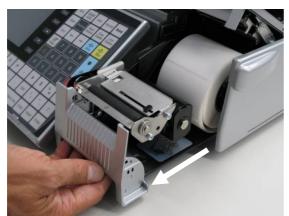


2. Remove the two screws and unplug the harness to remove the cassette sensor.

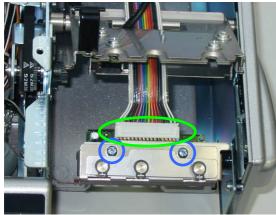


5.1.9 THERMAL HEAD UNIT

1. Pull out the cassette unit from the main unit.

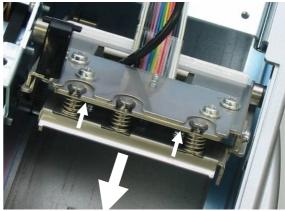


3. Unplug the connector and remove the two screws.



* Reverse this procedure for assembly.

2.Squeeze the springs by holding up the head unit and pull out the thermal head unit.



4 This photo shows the breakdown of the thermal head unit.



5.1.10 LOAD CELL & A/D BOARD

1. This photo shows the inside of the machine.

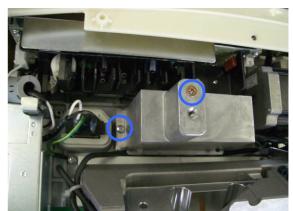


- **3.** Remove the two hexagon socket head bolts at the other end and detach the load cell unit.

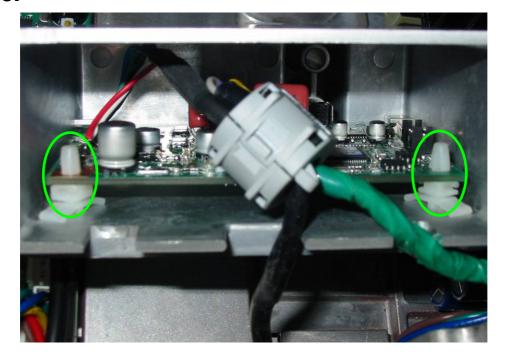
2. Remove the hexagon socket head bolt fixing the load cell unit.



4 Remove the two screws to remove the die-cast bracket.

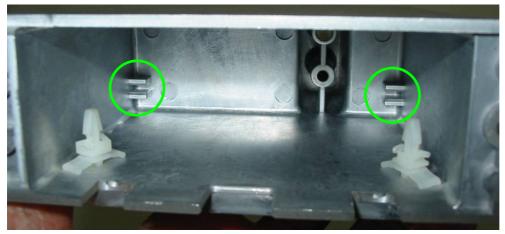


5. Unplug the harnesses and squeeze the two spacers (green) to detach the AD board.



Note:

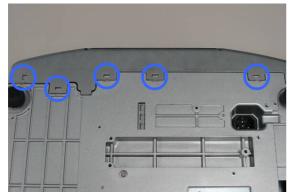
When inserting the A/D board, be sure to hold it with two hooks inside.



* Reverse this procedure for assembly.

5.1.11 POWER SUPPLY UNIT

1 Disengage the five hooks at the bottom of the machine using a slotted screwdriver.



3. Remove the power supply unit.

2. Detach the customer display unit and remove the two screws fixing the power supply unit.





* Reverse this procedure for assembly.

5.1.12 MOTOR UNIT

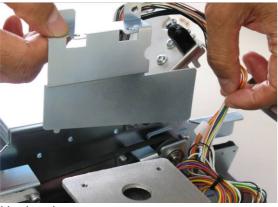
1. Remove the three screws fixing the side cover.



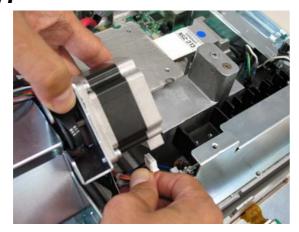
3. Remove the two screws fixing the plate.



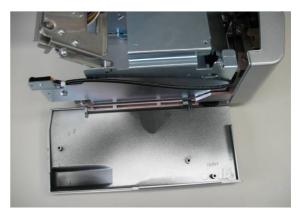
5. Remove the plate.



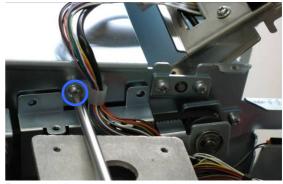
7. Unplug the connector.



2. Detach the side cover.



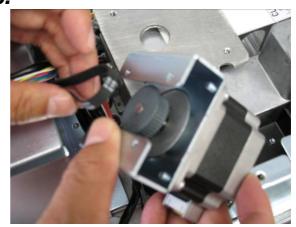
4 Remove the screw fixing the cable fastener.

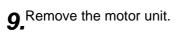


6. Remove the motor.



8. Remove the timing belt from the pulley.







Reverse this procedure for assembly.

5.1.13 WIRELESS LAN UNIT

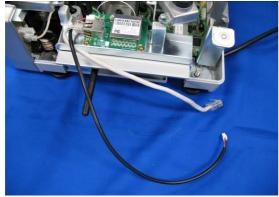
1 Make sure that the upper case of the main unit is removed.



3. Unplug the LAN connector..



5. The cable connected with the main board and the LAN cable are unplugged.



When removing the LAN board, remove the two screws.



* Reverse this procedure for assembly.

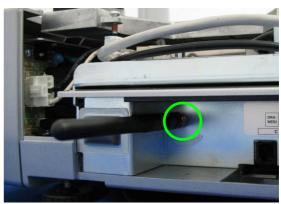
2. This photo shows the wireless LAN unit installed in the main unit.



4 Unplug the connector from the main board.



6. Turn to remove the antenna.



8. This photo shows the constituent parts for the wireless LAN unit.

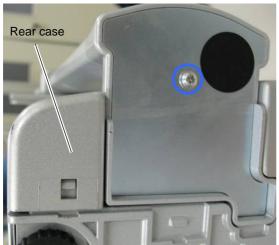


5.2 POLE TYPE



5.2.1 POLE UNIT

1 Remove the screw fixing the blind plate located on the bottom of the pole unit.



2.Remove the three hexagon socket head bolts and separate the pole unit from the machine.



3. Unplug the display harness connector on the main board to remove the pole unit.



* Reverse this procedure for assembly.

5.2.2 CUSTOMER DISPLAY UNIT

1 Remove the four screws fixing the rear case of the customer display unit.



3. Unplug the connector.

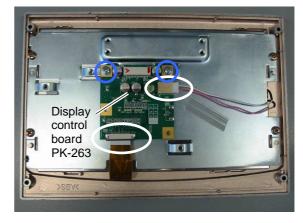


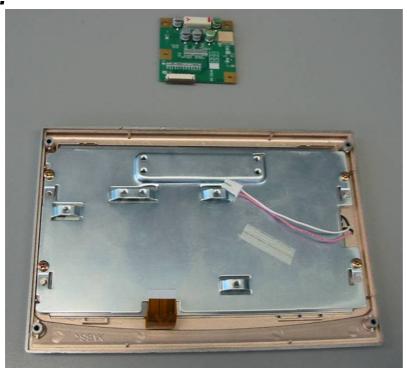
5. Remove the display control board.

2. Detach the front panel of the customer display unit.

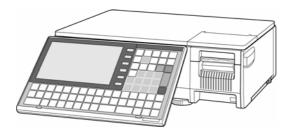


4 Remove the two screws and unplug the two harnesses.





5.3 BAKERY TYPE



5.3.1 UPPER CASE

1. Pull out the cassette unit from the main unit.



3. Disengage the two hooks (red) and lift to remove the top cover.



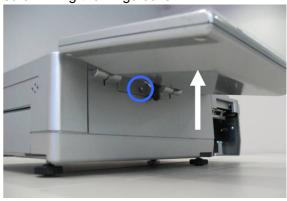
5. Make the operation panel angle about 45° and pull out the hinge cover.



2. Remove the two screws located at the rear side of the top cover.

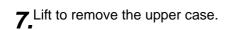


4 Raise the operation panel and remove the screw fixing the hinge cover.

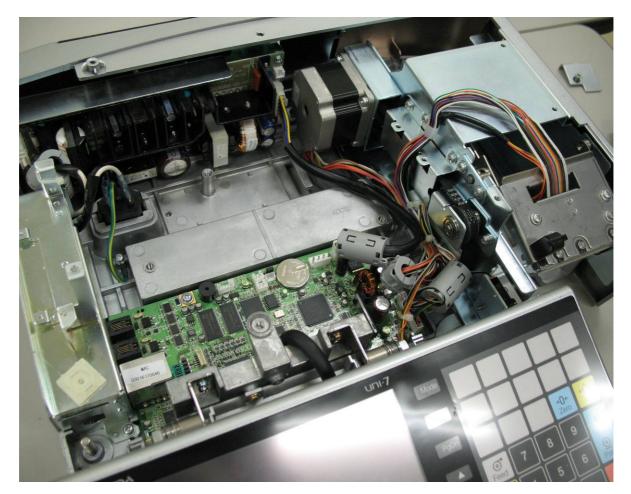


6. Remove the six screws fixing the upper case.



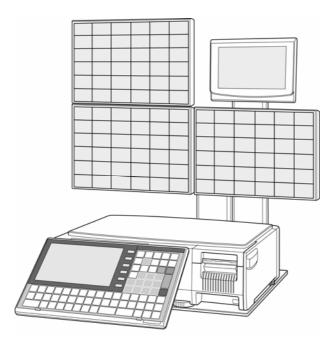






* Reverse this procedure for assembly.

5.4 SELF-SERVICE TYPE

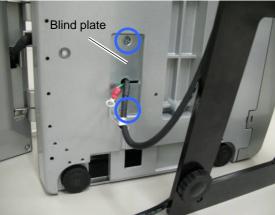


5.4.1 SELF-SERVICE PANEL UNIT

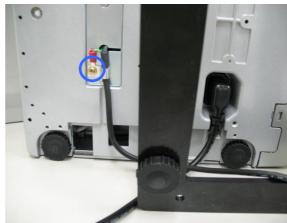
1 Gently lay down the machine and self-service panel unit so that you can work from the bottom.



3. Remove the two screws fixing the blind plate.



2. Remove the screw fixing the cable clamp and the grounding terminal.



4 Detach the blind plate and unplug the connector.

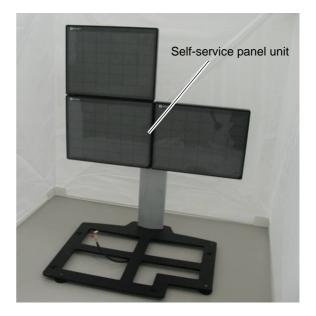




5. Remove the two screws fixing the cable clamps.

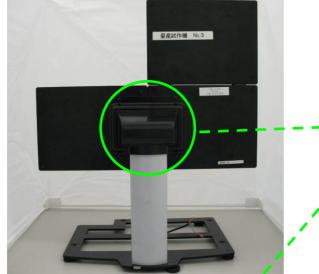
6. Separate the self-service panel unit from the machine.





5.4.2 PANEL CONTROL BOARD

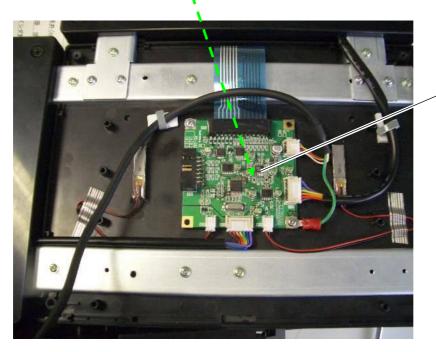
1. Lift to disengage the two hooked places and detach the blind cover of the self-service panel unit..





2. Remove the four screws to detach the rear cover.





Panel control board

5.5 ELEVATED TYPE



5.5.1 OPERATION PANEL UNIT (FOR DUAL PRINTER)

1 Remove the two screws located on the bottom of the operation panel unit.



3. Remove the screw located on the bottom of the operation panel unit.



2.Remove the two screws located at the customer display side.



4 Slide the roll holder release lever in the arrow direction.



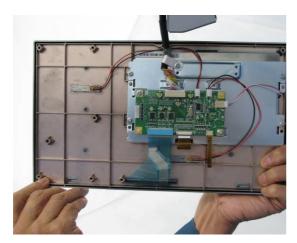
5. The roll holder comes down.



7 Remove the screw located inside of the operation panel unit.



9. This photo shows the rear side of the operation panel.



6. Fully loosen the screw and pull to remove the roll holder.



8. Detach the operation panel.



10. This photo shows the inside of the operation panel unit and the rear side of the operation panel.



5.5.2 OPERATION PANEL UNIT (FOR SINGLE PRINTER)

1 Remove the two screws located on the bottom of the operation panel unit.



3. Remove the screw located on the bottom of the operation panel unit.



5. Remove the two screws fixing the roll holder.



7 Remove the screw fixing the operation panel.



2.Remove the two screws located at the customer display side.



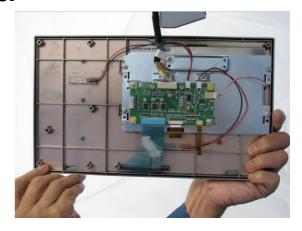
4, peel off the blind plate.



6. Pull out the holder.



8. Detach the operation panel.



5.5.3 PRINTER UNIT (FOR DUAL PRINTER)

1 Make sure that the roll holder is removed from the operation panel unit. (Refer to section 5.5.1)





2. Also make sure that the operation panel unit is disassembled. (Refer to section 5.5.1)



3. Remove the two screws fixing the printer unit.



4 Detach the printer unit.





5.5.4 CUSTOMER DISPLAY UNIT

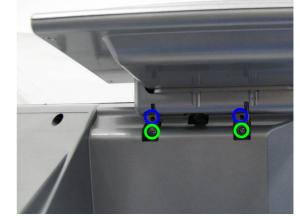
1 Remove the two screws fixing the customer display unit.



3. Detach the customer display unit and remove the four fixing screws.



2 Remove the two screws (blue) and loosen the other two screws (green).



4 Open the customer display unit.



5.5.5 ELEVATED UNIT

1. Turn to remove the level adjusting foot.



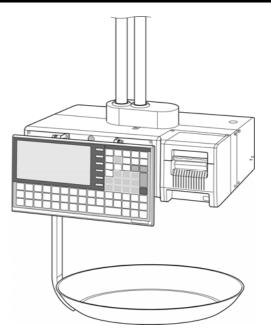
3.Remove the three hexagon socket head bolts fixing the elevated unit.



2.Remove the three screws fixing the pole bottom cover.



5.6 HANGING TYPE



5.6.1 HANGING POLE

1. Disengage the joint section to remove the weigh platter unit.

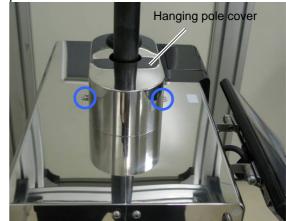


2. Remove the weigh platter unit.





3. Remove the two screws fixing the hanging pole cover.



4 Remove the bolts fixing the pole from the ceiling and the pole from the main unit.



5. These photos show the front-side and rear-side views of the main unit.



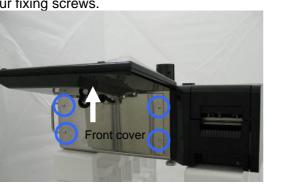
Front-Side View



Rear-Side View

5.6.2 MAIN BOARD

1 Raise the operation panel and remove the four fixing screws.



2. Remove the front cover of the main unit.



3. Unplug all harnesses connected with the main board and remove the five fixing screws.

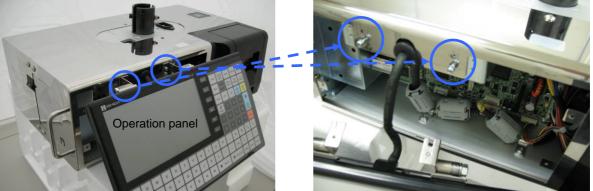


5.6.3 OPERATION PANEL

- **1** Raise the operation panel and remove the four fixing screws.
 - Front cover
- **2.** Remove the front cover of the main unit.

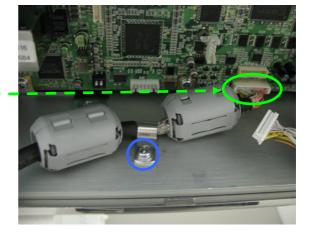


3. Raise the operation panel and remove the two upper screws and loosen the two lower screws.



4. Unplug the keyboard harness from the main board and remove the screw for the cable clamp.





5. Remove the operation panel from the main unit.



5.6.4 FRONT & REAR STAINLESS-STEEL HOUSINGS

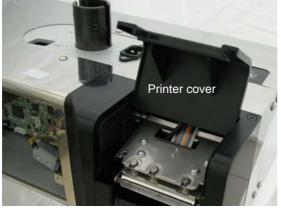
1 This photo shows the front and rear stainless housings.



2. Make sure that the operation panel is removed. (Refer to section 5.6.3)



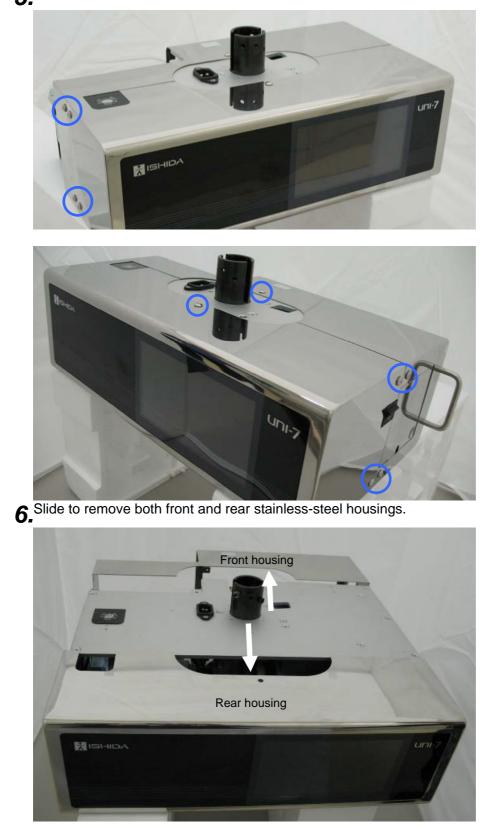
3. Remove the cassette unit from the main unit and also remove the printer cover.





4 Remove the printer frame.



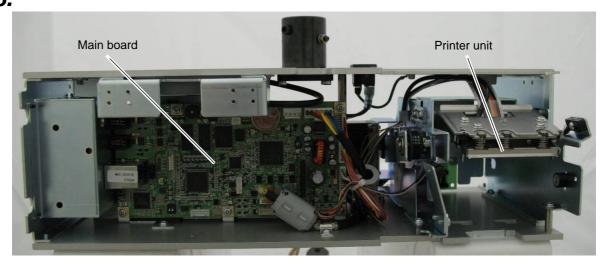


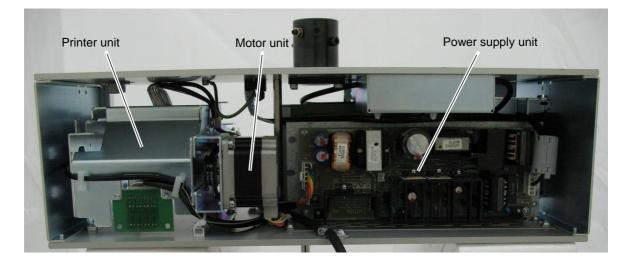
5. Remove the ten screws fixing both front and rear stainless-steel housings.

7. Unplug the harness connected with the display control board located inside of the rear housing.



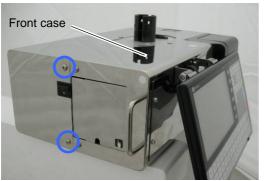
8. These photos show the front and rear views.

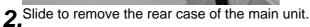


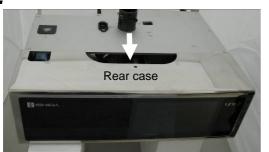


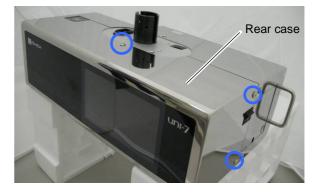
5.6.5 POWER SUPPLY UNIT

1 Remove the five screws fixing the rear stainless-steel case.









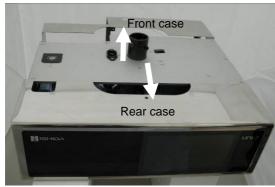


3. Unplug all harnesses connected with the power supply board and carefully remove the four fixing screws so as not to drop the collars behind.



5.6.6 LOAD CELL BOARD

1 Make sure that both front and rear stainless-steel cases are removed. (Refer to section 5.6.4)

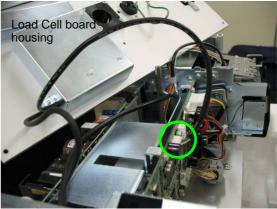


2.Remove the six screws fixing the upper case.

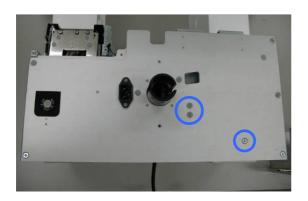




3. Detach the upper case and unplug the harness.



4 Remove the three screws fixing the load cell board housing.





5.6.7 MOTOR UNIT

1 Make sure that the rear stainless-steel case is removed. (Refer to section 5.6.4)



3. Remove the power supply unit. (Refer to section 5.6.5)





4 Remove the four fixing screws to detach the motor unit.



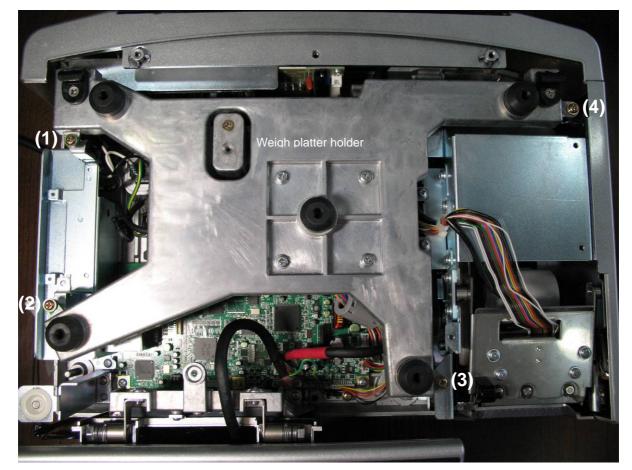
6

MECHANICAL ADJUSTMENT

6.1 FOUR CORNER LIMIT SPACE

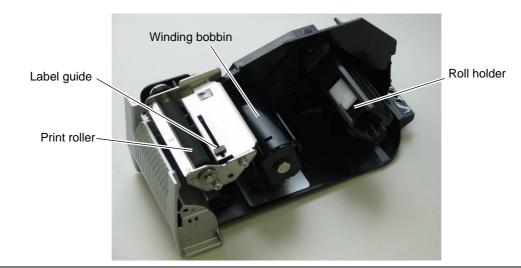
Adjust the limit spaces at four corners of the weigh platter holder to become the following values.

(1) 2mm, (2) 2mm, (3) 2.5mm, (4) 3.2mm

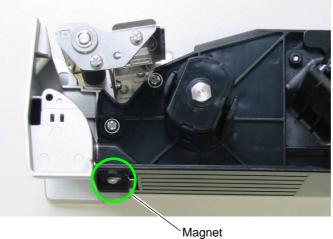


6.2 CASSETTE MAGNET POSITION

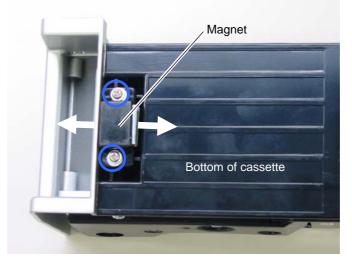
1 The following photo shows the name of each unit of the cassette unit.



2. Turn the cassette unit upside down.

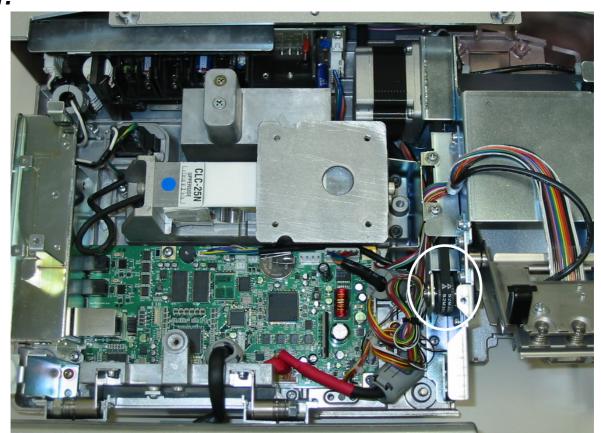


- Magnet
- **3.** Loosen the two screws and move the magnet back and forth for adjustment. Be sure to tighten the screws after adjustment. Check that the cassette unit is securely fixed by the magnet.

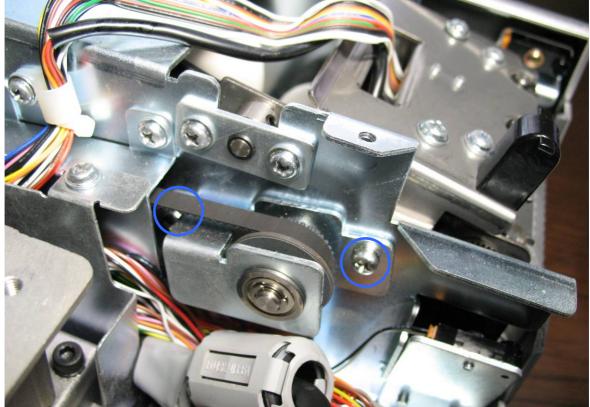


6.3 GEAR ENGAGEMENT

1. Make sure that the weigh platter holder is removed.

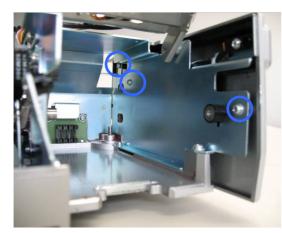


2 Loose the two screws to move the pulley to the appropriate position for better engagement. Be sure to tighten the screws after adjustment.



6.4 SUPPORT ROLLER

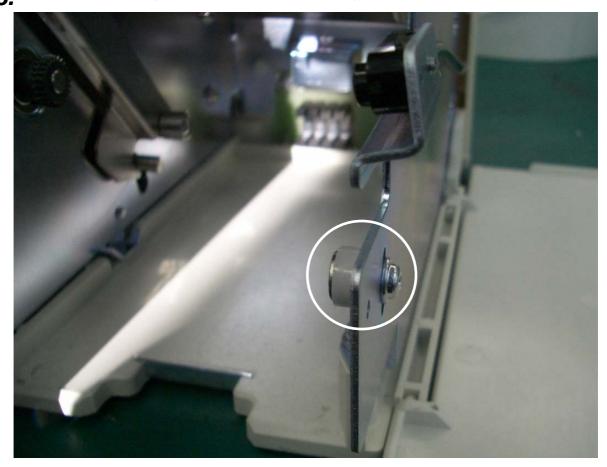
1 Remove the three screws fixing the side cover.



2.Remove the side cover.



3. Loosen the screw fixing the support roller. Be sure to tighten it after adjustment.



6.5 **PRINT POSITION**

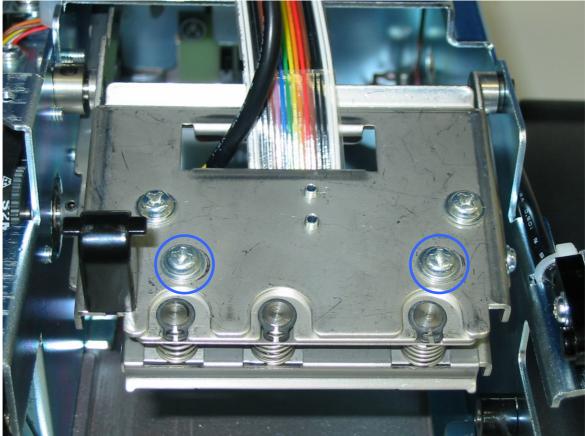
1 Pull out the cassette unit from the main body.



2. This photo shows the position of the thermal head unit.



3. Loosen the two screws and move the thermal head unit back and forth and around for position adjustment. Be sure to tighten the screws after adjustment.

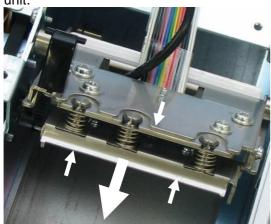


6.6 THERMAL HEAD POSITION

1.Pull out the cassette unit from the main body.



3. Squeeze the springs by holding up the head bracket and pull out the thermal head unit.



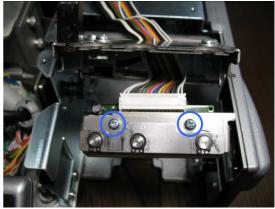
5-1 When using the backing paper of up to 62mm width, adjust the gap between the bracket and the left end of the thermal head to be 2mm ±0.5mm.



2 The following photo shows the position of the thermal head unit.



4 Loosen the two screws to adjust the gap between the bracket and the left end of the thermal head.



5-2When using the backing paper of 64mm width, adjust the gap between the bracket and the left end of the thermal head to be $3mm \pm 0.5mm$.



SETUP MODE

7.1 ENTERING SETUP MODE

1. Press the [SETUP] button on the Menu Select screen.



2. The Setup Menu screen appears. Press the [▼] button when changing pages.

 MENU SELECT
 JUN-14-2007(THU) 22:08
 1/2

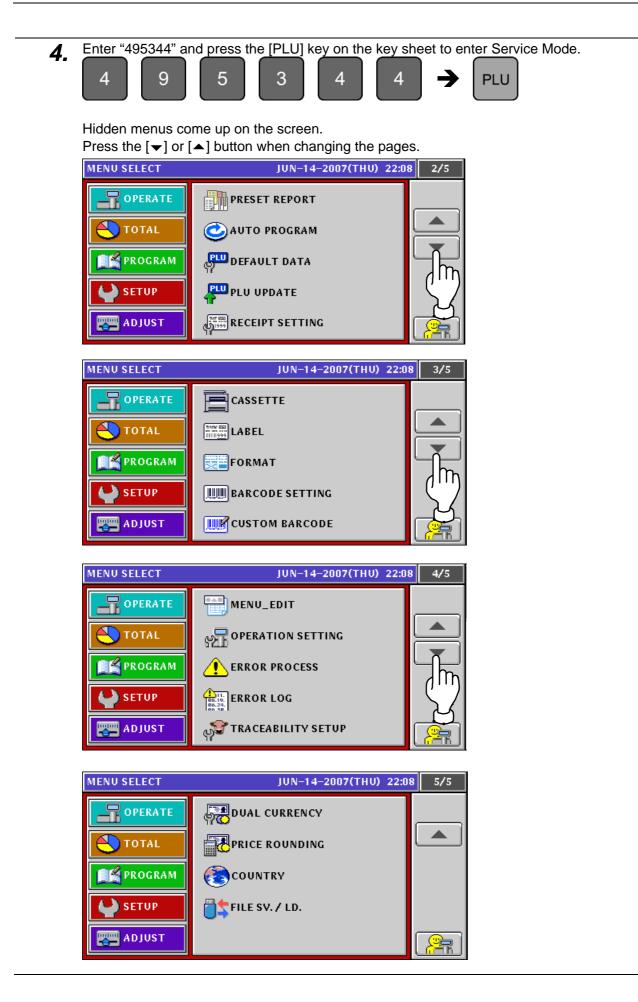
 Image: Compensate of the second seco



3. The next setup menu screen appears.

MENU SELECT	JUN-14-2007(THU) 22:08	2/2
OPERATE	PRESET REPORT	
TOTAL	🕑 AUTO PROGRAM	
PROGRAM	BED DEFAULT DATA	
SETUP	PLU UPDATE	
ADJUST	ကြက္က ကိုက္က ကြက္က	P





7.2 CASSETTE SETTING

- 1. Press the "CASSETTE" field on the setup menu screen. MENU SELECT JUN-14-2007(THU) 22:10 3/5 CASSETTE TOTAL
 - Image: Contract

 Image: Contract

 Image: Contract

 Image: Contract

 Image: Contract

 Image: Contract
- **2.** The Cassette screen appears.

Press the [\blacktriangle] or [\blacktriangledown] button to scroll the table on the screen up or down..

Press the [>] or [4] button to scroll the table on the screen to right or left.

CASSETT	E		JUN	-14-200	0 7(T	HU) 22:1	0 1/2
PRIN	TER ITEI	ITEM NO. LABEL W.		/. LABEL L.		CAST. NO.	
< PRN	1 >	0 56.0) mm	44.0 mn	n	1	
			1				
N0.	FORMAT NO.	LABEL SPEC	PRES	ET PAGE	IND	V W/BACK	
01	001	01		00		INDV	
02	001	02		00		INDV	
03	001	03		00		INDV	
04	001	04		00		INDV	FORMAT
				INF	UT		EDIT

3. Press to select a desired cassette number field. **EXAMPLE** Select cassette number "3".

CASSETT	E			JUN	-14-200)7(THU) 22:1	0 1/2
PRIN < PRN		M No. 0		EL W. mm	LABEL L 44.0 mn		CAST. No.	₽
N0.	FORMAT No.	LABEL S	PEC	PRES	ET PAGE	١N	IDV W/BACK	
01	001	01			00		INDV	\square
02	001	02			00		INDV	
03	001	03			00		INDV	
04	001	04	Im		00		INDV	FORMAT
					INF	UT		EDIT
			ਨ					

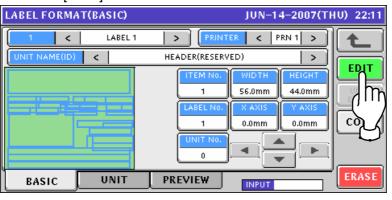
4. Press to select either "Format No." or "Label Spec".

CASSETT	ASSETTE JUN-14-2007(THU) 22:10						0 1/2	
PRIN < PRN		M No. 0		EL W. mm	LABEL L 44.0 mn	_	CAST.No. 1	t_
N0.	FORMAT No.	LABEL S	PEC	PRES	ET PAGE	IN	IDV W/BACK	
01	001		$\overline{\mathbf{n}}$		00		INDV	
02	001	<u>''</u> '	''口		00		INDV	
03	001		\bigwedge		00		INDV	
04	001	┍═┺╍	\square		00		INDV	
					INF	PUT		EDIT



CASSETT	E		JUN	-14-20	07(THU) 22:11	1/2
PRIN C PRN			EL W.) mm	LABEL L 44.0 mn	_	CAST. No. 1	t_
N0.	FORMAT NO.	LABEL SPEC	PRES	ET PAGE	IN	DV W/BACK	
01	001	01	Í	00		INDV	\square
02	001	02		00		INDV	
03	001	03		00		INDV	
04	001	04		00		INDV	FORMAT
				INF	PUT		EDIT
							վիդ
							7

6. The Label Format (Basic) screen appears. Press the [EDIT] button.



7. The following text edit screen appears. FORMAT(FORMAT NAME EDIT) JUN-14-2007(THU) 22:11 LABEL 1 0 Q W A D J В М Z

STYLE

1

CHAR

007

REMAIN

023

Р

ERASE

INPUT

Enter a desired text according to the procedure described in Appendix "Text Editing".

FORMAT(FORMAT NAME EDIT)	ORMAT(FORMAT NAME EDIT) JUN-14-2007(THU) 22:11							
QWER	TV	U I O	P					
ASDF	G H	JKL						
ZXC	V B	N M ,						
CHAR REMAIN S 014 016	TYLE FOR / 16x07/	INPUT	ERASE					

Press the [ESC] key on the key sheet.



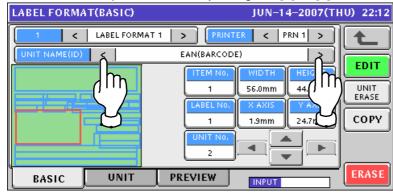
8.

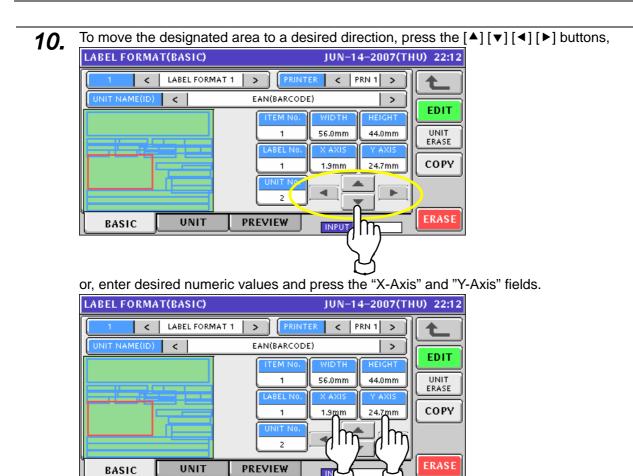
The edited name is shown on the screen.

LABEL FORMA	AT(BASIC)	JUN-14-2007(THU) 22:12	
	LABEL FORMAT		TER < PRN 1 >	
UNIT NAME(ID)	<	HEADER(RESER	VED) >	
		ITEM No.	WIDTH HEIGHT	
		LABEL NO.	56.0mm 44.0mm	
		1	0.0mm 0.0mm	СОРУ
		UNIT NO.		
BASIC	UNIT	PREVIEW	INPUT	ERASE

ITEM NO.	Enter a numeric value and press this field.
WIDTH	Enter a numeric value and press this field.
HEIGHT	Enter a numeric value and press this field.
LABEL NO.	Enter a numeric value and press this field.
UNIT NO.	Enter a numeric value and press this field.

9. Select a desired print unit data by using the [<] or [>] button.

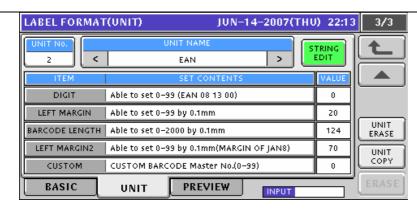




11. To display the Label Format (Unit) screen, press the [UNIT] tab. To change the pages, press the [-] or [-] button.

LABEL FORMA	T(UNIT) JUN-14-2007(THU	J) 22:12	1/3
UNIT No.			
2		EDIT	
ITEM	SET CONTENTS	VALUE	
UNIT TYPE	EAN:REFERENCE	30	
ID NUM	RESERVED:REFERENCE	70	<u>L</u>
X AXIS	Able to set to X direction width by 0.1mm	19	լ "լր
Y AXIS	Able to set to Y direction height by 0.1mm	247	
BARCODE RATE	Set up barcode ratio except for EAN	00	صح
BASIC			ERASE
	m		

LABEL FORMA	J) 22:12	2/3	
UNIT No.			
	EAN >	EDIT	
ITEM	SET CONTENTS	VALUE	
BARCODE RATIO	1:x1 2:x2(EAN x2 FIX)	02	
C/D	0:NON(EAN 00FIX) 1:MODULUS10 2:MODULUS43	00	<u>L</u>
OCR Y/N	0:NON 1:YES (Only able to set Code EAN/ITF)	01	լ
FNC1 Y/N	0:NON 1:YES (Only able to set Code128)	00	<u>7</u> , <u>7</u> ,
ORIENTATION	00:0 01:90 02:180 03:270 (EAN 00FIX)	00	لتولي
BASIC			ERASE



12. To change a value for each item, enter a desired numeric value and press the corresponding field.

LABEL FOR	мат	(UNIT) JUN-14-2007(THU	J) 22:12	1/3
UNIT NO.			TRING	
2	<	EAN >	EDIT	
ITEM		SET CONTENTS	VALUE	
UNIT TYPE		EAN:REFERENCE	30	
ID NUM		RESERVED:REFERENCE	70	Ľ
X AXIS		Able to set to X direction width by 0.1mm	<u> </u>	UNIT ERASE
Y AXIS		Able to set to Y direction height by 0.1mm		
BARCODE RA	TE	Set up barcode ratio except for EAN	נייי <mark>ז</mark>	COPY
BASIC			K	ERASE

13. To select a desired print unit data, either press either [<] or [>] button,

LABEL FORMAT	(UNIT) JUN-1	4–2007(THU) 22:13	1/4
UNIT No.	UNIT NAME			
	DATE	ل ا	EDIT	
ITEM	SET CONTENTS		VALUE	
UNIT TYPE	TE:REFERENCE	_('''')□	03	
	ESERVED:REFERENCE	$ \supset \square $	11	<u> </u>
X AXIS	Able to set to X direction width by	0.1mm	139	UNIT ERASE
Y AXIS	Able to set to Y direction height by	0.1mm	293	UNIT
FONT SIZE	20x 10(for Text):REFERENCE		08	COPY
BASIC	UNIT PREVIEW	INPUT		ERASE

or enter the numeric data and press the "UNIT No." field.

LABEL FORMAT	r(UNIT) JUN-14-2007(TH	J) 22:13	1/4
UNIT No.		TRING	
	DATE >	EDIT	
	SET CONTENTS	VALUE	
() · · ·)/PE	DATEREFERENCE	03	
UM	RESERVED:REFERENCE	11	
XIS	Able to set to X direction width by 0.1mm	139	UNIT ERASE
Y AXIS	Able to set to Y direction height by 0.1mm	293	UNIT
FONT SIZE	20x 10(for Text):REFERENCE	08	СОРУ
BASIC			ERASE

14. To display the List: Unit screen, just press the "UNIT No." field without numeric entry. LABEL FORMAT(UNIT) JUN-14-2007(THU) 22:13

UNIT No.		TRING	
لئالئ		EDIT	
	SET CONTENTS	VALUE	
	DATE:REFERENCE	03	
	RESERVED:REFERENCE	11	
KIS	Able to set to X direction width by 0.1mm	139	UNIT ERASE
Y AXIS	Able to set to Y direction height by 0.1mm	293	
FONT SIZE	20x 10(for Text):REFERENCE	08	COPY
BASIC			ERASE

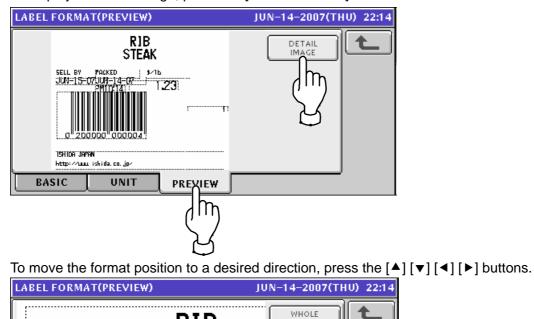
To change the pages, press either [▼] or [▲] button.

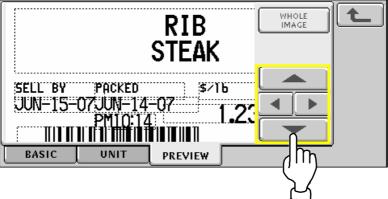
LIST:UNIT	JUN-14-2007(THU) 22:13	1/3
00 HEADER:RESERVED	07 NUM STD:UNIT PRICE	t
01	08 NUM STD:UNIT PRICE AFTER MI	
02 EAN:BARCODE	09 NUM CROSIUNIT PRICE BEFORE	
03 DATE:PACKED DATE	10 NUM STD:WEIGHT	-Īm
04 DATE:USE BY	11 NUM STD:WEIGHT 2	(11)
05 TIME:PACKED TIME	12 NUM STD:PRICE	X
06 TIME:EXPIRY TIME	13 NUM STD:MD PRICE	\smile

LIST:	UNIT		JUN-14-2007(THU) 22:1	3 2/3
14	NUM CROS:PRICE BEFORE MD	21	TXT VAR.:PCS	t
15	NUM STD:PLU No.	22	TXT VAR.:WEIGHT(OUNCE FORM	
16	NUM STD:TARE	23	TXT VAR.:DAYS	
17	NUM STD:TARE 2	24	TXT VAR.:PACK DATE TEXT	Ľ ľ
18	TXT SPEC. UNIT:PLU NAME	25	TXT VAR.:DISP./EXP.DATE	(III)
19	TXT VAR.:ADDRESS	26	TXT VAR.:UNIT PRICE TITLE	24
20	TXT VAR.:STORE	27	TXT VAR.:WEIGHT TITLE	\cup

LIST:UNIT	JUN-14-2007(THU) 22:13	3/3
28 TXT VAR.:FP + WEIGHT TITLE		Ł
29 NUM CROSIMD PRICE		
30 NUM STD:FIXED WEIGHT(Ib to k		

15. To display the Label Format (Preview) screen, press the [PREVIEW] tab. To display the detail image, press the [DETAIL IMAGE] button.



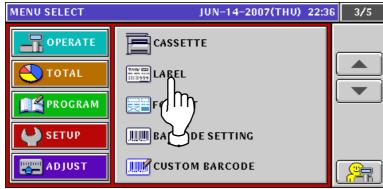


16. Press the [ESC] key on the key sheet exit from the current menu.



7.3 LABEL SETTING

1. Press the "LABEL" field on the setup menu screen.



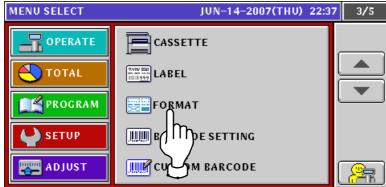
2. The label setup screen appears.

Press to select	a desired field	i for each item.	
LABEL		JUN-14-	2007(THU) 22:36
PRINTER <	LABEL NO. 01	THERMAL PAPER TYPE <	L
	BACK FEED	SENSOR TYPE	LABEL GAP 2.5mm
PRINT DIRECTION	PREPRINT FEED 7.5mm	PRINT SPEED <	27.0mm
CONFIRM TO PRI	NT FORM		- 5 +

PRINTER	Select a desired printer.
LABEL NO.	Enter a numeric value and press this field.
THERMAL PAPER TYPE	Select one of the following types:
	0: Receipt
	1: 130LA-A
	3: 150LA-1
LABEL GAP	Enter a numeric value and press this field.
BACK FEED	Press to select either "NO" or "YES".
SENSOR TYPE	Select one of the following types:
	0: No use
	1: Label
SENSOR DISTANCE	Enter a numeric value and press this field.
PRINT DIRECTION	Press to select either "NORMAL" or "REVERSE".
PREPRINT FEED	Enter a numeric value and press this field.
PRINT SPEED	Select one of the following print speeds:
	1: 80mm/sec
	2: 100mm/sec
PRINT DENSITY	Select a desired print density level $(0 - 9)$.
FORMAT NO.	Enter a numeric value and press this field.
ITEM NO.	Enter a numeric value and press this field.

7.4 LABEL FORMAT SETTING

1. Press the "FORMAT" field on the setup menu screen.



2. The Label Format List screen appears.

LABEL FORMAT LIST JUN-14-2007(THU) 22:37			2:37 1/7
No. DESCRIPTION	WIDTH	HEIGHT	
1 LABEL FORMAT 1	56.0 mm	44.0 mm	
2	56.0 mm	85.0 mm	
3	56.0 mm	59.0 mm	
4	56.0 mm	73.0 mm	
5	56.0 mm	59.0 mm	PRINT
6	56.0 mm	84.0 mm	DETAIL
7	56.0 mm	146.0 mm	
8	56.0 mm	50.0 mm	DELETE

3. Press to select a desired format field and press the [DETAIL] button.

LABEL FORMAT LIST	JUN-14-20	07(THU) 22	2:37 1/7
No. DESCRIPTION	WIDTH	HEIGHT	
1 LABEL FORMAT 1	56.0 mm	44.0 mm	
2	56.0 mm	85.0 mm	
	56.0 mm	59.0 mm	
4	56.0 mm	73.0 mm	
5	56.0 mm	59.0 mm	CONTROL
6	56.0 mm	84.0 mm	DETAIL
7	56.0 mm	146.0 mm	
8	56.0 mm	50.0 mm	- IP M
			(` /

4 The Label Format (Basic) screen appears.

Refer to steps 6 through 16 in section 7.2 for further procedures.

LABEL FORMAT(BASIC) JUN-14-2007(THU) 22	2:37
2 <	> PRINTER < PRN 1 >	
UNIT NAME(ID) <		3
	ITEM NO. WIDTH HEIGHT	
	1 56.0mm 85.0mm UNI LABEL NO. X AXIS Y AXIS	
	1 0.0mm 0.0mm COF	٧Y
BASIC		SE

6.

5. To change existing format data, press to select a desired field, and press the [PRINT CONTROL] button.

EXAMPLE "LABEL FORMAT	2"		
LABEL FORMAT LIST	JUN-14-20	07(THU) 22	2:39 1/7
No. DESCRIPTION	WIDTH	HEIGHT	
1 LABEL FORMAT 1	56.0 mm	44.0 mm	
2 LABEL FORMA	56.0 mm	85.0 mm	
	56.0 mm	59.0 mm	
4	56.0 mm	73.0 mm	
5	56.0 mm	59.0 mm	CONTROL
6	56.0 mm	84.0 mm	
7	56.0 mm	146.0 mm	
8	56.0 mm	50.0 mm	

Press to select a desired field for each print-related item on the screen.

FORMAT(PRIM	NT CONTROL)	JUN-14-2007(THU) 22:39				
	M PRICE PRINT	REPACK MARK PRINT				
BARCODE ONLY					YES	
		5X7 PRINT				
NO PRN CALL NO. TARE WEIGH				STORE	N0.	PACK DATE CD
RE	GISTER CODE PRIN	Т				
REGI. CODE	SHOP No.	PACK DATE CD				
PRINTING	POSITION	J				

Press the [POSITION] tab and press to select a desired field for each control-related item

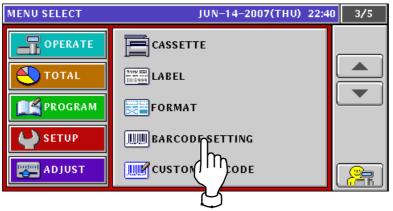
FORMAT(PRINT CONTROL) JUN-14-2007(THU) 22:39									
FORMAT		PRODUCT RAW MATERI PRODUC NAME UNDER AL UNDER NAME UP							
REGISTER CODE PRINT POSITION POP NAME PRIN							NT POS	SITION	
FORMAT PRODUCT PRODUCT FORMAT PROD NAME LEFT NAME RIGHT FORMAT NAME							PRODUCT NAME RIGHT		
ORIGIN PRINT POSITION									
FORMAT PRODUCT PRODUCT PRODUCT NAME LEFT NAME RIGHT NAME UPPER						PROD NAME (
PRINTING									

Press the Return button.

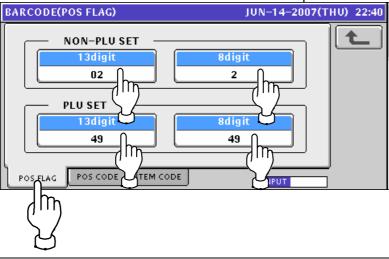
FORMAT(PRINT CONTROL) JUN-14-2007(THU) 22:39									
	EXTRA MSG1 PRINT POSITION								
FORMAT	PRODUCT NAME UND	TERI ER	PRODUCT NAME UPPER			Th			
REGISTER CODE PRINT POSITION POP NAME PRIN							NT POS		
FORMAT	PRODUCT NAME LEFT		DUCT RIGHT	FORMAT		PRODUCT NAME LEFT		PRODU NAME R	
ORIGIN PRINT POSITION									
FORMAT	PRODUCT NAME LEFT		DUCT E RIGHT		DUCT E UPPER	PROD NAME U			
PRINTING	POSITIO								

7.5 BARCODE SETTING

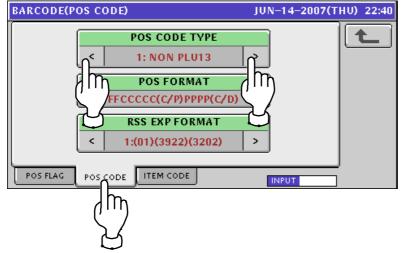
1. Press the "BARCODE SETTING" field on the setup menu screen.



Ensure that the Barcode (POS Flag) screen is displayed.
 If not displayed, press the [POS FLAG] tab.
 Enter a desired numeric value for each item and press the corresponding field.

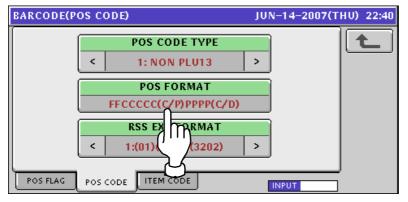


3. Press the [POS CODE] tab to display the Barcode (POS Code) screen. Then, select a desired POS code type by using the [>] and [<] buttons.



POS CODE TYPE	Select one of the following code types:
	1: Non PLU13
	2: Non PLU8
	3: PLU13
	4: PLU8
	5: RSS-14
	6: RSS-14ST
	7: RSS14STO
	8: RSS LIMITED
	9: RSS EXPANDED
	10: ITF

4 Press the [POS FORMAT] tab to display the Barcode Format selection screen.



The following Barcode Format list screen appears.

Press to select a desired field to determine the barcode format. Press either $[\bullet]$ or $[\bullet]$ button to change the pages.

BARCODE FORMAT	JUN-14-2007(THU) 22:4	1/3
00 REFER	07 FFCCCCCCWWWW(C/D)	t
01 FFCCCCC(C/P)PPPP(C/D)	08 FCCCCCCWWWWW(C/D)	
02 FFCCCCCCPPPP(C/D)	09 FCCCCCIIIIII(C/D)	
03 FCCCCCC(C/P)PPPP(C/D)	0A FFCCCCCCPPPP(C/D) *	Ē
04 FFCCCCCPPPPP(C/D)	0B FFCCCCCCWWWW(C/D) *	(111)
05 FCCCCCCPPPPP(C/D)	0C FFCCCC(C/W)WWWWW(C/D)	저
06 FFCCCC(C/P)PPPPP(C/D)	0D Not Available	\bigcirc

BARCODE FORMAT		JUN-14-2007(THU) 22:4	2/3
0E Not Available	15	FFCCCCPPPPPP(C/D)	t
0F FFCCCCC(0)PPPP(C/D)	16	FCCCWWWWPPPP(C/D)	
10 FFCCCCCWWWWW(C/D)	17	FFCCCCQQPPPP(C/D)	
11 FFCCCCCPPPPP(/10)(C/D)	18	FIIIIIIPPPPP(C/D)	Ē
12 FFCCCCC(C/P)PPPP(/10)(C/D)	19	FFIIIIIIPPPP(C/D)	(111)
13 FFCCCCC(C/W)WWWW(C/D)	1A	FCCCCPPPPPPP(C/D)	24
14 FCCCCCPPPPPP(C/D)	1B	FIIIIIIPPPPP(/10)(C/D)	\bigcirc

BARCODE FORMAT	JUN-14-2007(THU) 22:40	3/3
1C FFIIIIIIPPPP(/10)(C/D)		t
1D FCCCCCCPPPPP(/10)(C/D)		
1E FFCCCCCCPPPP(/10)(C/D)		
1F FFCCCCCQQQQQ(C/D)		

5. Select a desired RSS expanded format by using the [>] and [<] buttons.
--

BARCODE(POS CODE)	JUN-14-2007(THU) 22:40
POS CODE TY < 1: NON PLUT	
POS FORMA FFCCCCC(C/P)PPF	
RSS EXP FORM	
RSS EXPANDED FORMAT	Select one of the following RSS expanded formats:
	1: (01) (3922) (3202)
	2: (01) (3922) (3202) (15)

6. Press the [ITEM CODE] tab to display the Item Code screen. Press to select the code digits for each digit set.

BARCOE	E(ITEM	CODE)				JUN-14	I-2007(T	HU) 22:40		
		DEPAR	TMENT	No. DIC	IT SET					
1	2	3	4	5	6	7	8			
GROUP No. DIGIT SET										
1	2	3	4	5	6	7	8			
	EAP	N CODE	DIGITS	SET(POS	S CODE	13)				
1	2	3	4	5	6	7	8			
EAN CODE DIGIT SET(POS CODE 8)										
1 2 3 4 5 6 7 8										
POS FL	AG PO	S CODE								

7.	Press the Ret	urn but	ton to	return	to the	Menu	u Select	screen.		
	BARCODE(ITEN	I CODE)				JUN-1	4–2007(T	HU) 22:40		
		DEPAR	TMENT	No. DIO	GIT SET					
	1 2	3	4	5	6	7	8			
		GRC)UP No.	DIGIT	SET	-		վլդլ		
	1 2	3	4	5	6	7	8	$ \langle \rangle $		
	EAN CODE DIGIT SET(POS CODE 13)									
	1 2	3	4	5	6	7	8	-		
	E	AN CODE	DIGIT	SET(PO	S CODE	8)				
	1 2	3	4	5	6	7	8			
	POS FLAG	SCODE	ITEM CO					,		

7.5 CUSTOM BARCODE SETTING

1. Press the "CUSTOM BARCODE" field on the screen.

MENU SELECT	JUN-14-2007(THU) 22:49	3/5
OPERATE		
	THE SOULABEL	
PROGRAM	FORMAT	
SETUP	BARCODE SETTING	
ADJUST	CUSTOM BARCODE	

2. The Custom Barcode List screen appears.

Press the [NEW] button on the screen.

CUSTOM BARCODE LIST JUN-1	4-2007(THU) 22:49	1/1
		1
		NEW
FIND PLU SEARCH	INPUT	Jh
		$\overline{\lambda}$

3. The following confirmation screen appears.

Press the [ENTER] button on the screen for confirmation.

CUSTOM RARCODE LIST	HIN-14-2007(THIN 22:49 1/1
	JUN-14-2007(THU) 22:49
PROGRA	АМ СНЕСК
Designated item is not prog Are you sure you want to o Press ENTER to continue Press CANCEL to go back.	
13001 - 0000	ENTER

4 The Custom Barcode screen appears.

Press the [EDIT] button on the screen.

CUST	TOM BARCODE		JU	N-14-2007((THU) 22:49	1/1
1	<			>	EDIT	t
N0.	ID	START	DIGIT	DATA		
1						
					<u> </u>	INSERT
						ITEM
						1
	BASIC PREVIEW			INPUT		ERASE

5. The following text edit screen appears.

CUSTOM	BARCO	DE TI	TLE E	DIT		JUN-	14-200	0 7(THU	J) 22:49
_									
Q	w [[E	R		Y	U		0	P
A	s	D	F	G	н		К	L	
	z	x	с		В		м	,	
No. 1	CHAR 000		MAIN 115	STYLE /		FONT 15/30x15	INP	υт	ERASE

Enter a desired text according to the procedure described in Appendix "Text Editing". **EXAMPLE** "CUST BARCODE 1"

CUSTO	CUSTOM BARCODE TITLE EDIT JUN-14-2007(THU) 22:49							
Q	W	E	R	Т	V		-	0 P
A	s	D	F	G	н		к	
	Z	×	С		B		м	
N0.	СН/ 01		MAIN 001	STYLE /		FONT 15/30x15	INP	UT ERASE

Press the [ESC] key on the key sheet.



6. The Custom barcode screen with edited title name appears.

Then, press the select	cted (highlig	phted) field	on the scre	en.
CUSTOM BARCODE	L	UN-14-2007	(THU) 22:49	1/1
1 < CU:	ST BARCODE 1	>	EDIT	t
No. ID	START DIGI	DATA	CTRL	
				INSERT
				ITEM
BASIC	W	INPUT		ERASE

The following ID list screens appear.

Press either $[\bullet]$ or $[\bullet]$ button to change the pages.

CUSTOM BARCODE ID LIST	JUN-14-2007(THU) 22:5	0 1/3
00 RESERVED	07 COUPON 2nd	t
01 PRE PRINT	08 TENDERED 2nd	
02 SUBTOT VAT.INC	09 CHANGE 2nd	
03 EXCHANGE RATE	10 PLU No.	لم ال
04 SUBTOT VAT.INC 2nd	11 PACKED DATE	(11)
05 O.CASH 2nd	12 SELL BY	7
06 CREDIT 2nd	13 USE BY	$\mathbf{\cdot}$

CUSTOM BARCODE ID LIST	JUN-14-2007(THU) 22:5	2/3
14 PRICE	48 ITEM CODE	
16 WEIGHT	49 POS FLAG	
18 QTY DATA	4A POS CODE	
1B MD PRICE	55 DEPARTMENT	ſ
21 SUBTOTAL	94 FREE4	(111)
2E RECEIPT(SERIAL) No.	95 FREES	24
2F MACHINE No.	9A POINTS	\smile

CUSTOM BARCODE ID LIST	JUN-14-2007(THU) 22:50	3/3
BA UNIT PRICE TITLE		t
F1 GROUP		

7. Press to select a desired item on the list. **EXAMPLE** "PLU No."

CUSTOM BARCODE ID LIST	T JUN-14-2007(THU) 22:50	1/3
00 RESERVED	07 COUPON 2nd	Ł
01 PRE PRINT	08 TENDERED 2nd	
02 SUBTOT VAT.INC	09 CHANGE 2nd	
03 EXCHANGE RATE		
04 SUBTOT VAT.INC 2nd		
05 O.CASH 2nd	12 SELL BY	
06 CREDIT 2nd	13 USE BY	

Then, the following screen appears.

To continue further registration, press to select a desired field on the screen.

EXA	MPLE "2"					
CUS	TOM BARCODE		JU	N-14-2007(TH	U) 22:50	1/1
	< CUST	<u> </u>	EDIT	t		
No.	ID	START	DIGIT	DATA	CTRL	
1	PLU No.	1	0:ALL		0:NONE	
2						
	m					INSERT
						ITEM
						_ 1
	BASIC PREVIEW	·		INPUT		ERASE

Press to select a next desired item on the list.

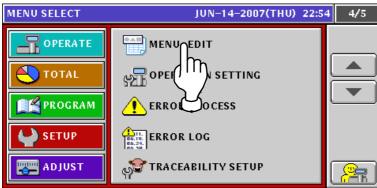
00 RESERVED 07 COUPON 2nd
01 PRE PRINT 08 TENDERED 2nd
02 SUBTOT VATJINC 09 CHANGE 2nd
03 EXCHANGE RATE 10 PLU No.
04 SUBTOT VATJINC 2nd 11 PACKED DATE
05 O.CASH 2nd 12 SELL BY
06 CREDIT 2nd 13 USE BY

To end registration, press the Return key on the screen.

CUS	TOM BARCODE		JU	N-14-2007(1	HU) 22:50	1/1
	< CUST	BARCOD)E 1	>	EDIT	T
N0.	ID	START	DIGIT	DATA	CTRL	l (III)
1	PLU No.	1	0:ALL		0:NONE	$ \backslash /$
2	PACKED DATE	1	0:ALL		0:NONE	\Box
3						INSERT
						ITEM
	BASIC PREVIEW			INPUT		ERASE

7.6 MENU TILTLE EDITING

1. Press the "MENU EDIT" field on the screen.



The Menu Title (Operate) screen appears.
 Press either [→] or [▲] button to change the pages

Μ	IENU TI	TLE(OPERATE)	JUN-14-2007(THU) 22	:55 1/2
$\left[\right]$	No	DEFAULT NAME	NEW NAME	
	1001	SALES	SALES	
	1006	SALES RETURN	SALES RETURN	
	1003	ACC1	ACC1	
	1004	ACC2	ACC2	
	1005	АССЗ	АССЗ	
l	OPERAT	E TOTAL PROGRA	M SETUP ADJUST	

N	μένυ τι	TLE(OPERATE)		JUN-14-2	007(THU) 22	2:56	2/2
ſ	No	DEFAULT	NAME	NEW	NAME] [Ł
	1002	TOTAL ADJUST		TOTAL ADJUST		lì	
							EDIT
Ι			PROCRAM	CETUP	ADUIST	J `	
	OPERAT	E TOTAL	PROGRAM	SETUP	ADJUST		

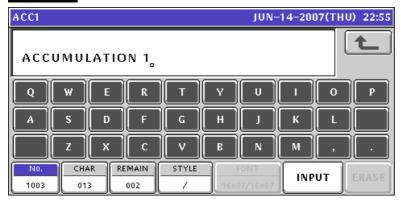
Press to select a desired field on the screen, and press the [EDIT] button.

N	IENU TI	TLE(OPERATE)	JUN-14-2007(THU) 22:55	1/2
ſ	No	DEFAULT NAME	NEW NAME	
	1001	SALES	SALES	
	1006	SALES RETURN	SALES RETURN	
	1003	ACC1	ACC1 ()	
	1004	ACC2		
	1005	ACC3	ACC3	EDIT
l	OPERAT	E TOTAL PROGRAM	SETUP ADJUST	

3. The following text edit screen appears.

ACC1					JUN	-14-200)7(THU) 22:55
ACC1							
	w	E	R		Ìυ		
	<u></u>		<u> </u>			لفا	لنالت
A	s	D	F C	н		К	
	z	x	c V	' B		M	, .
N0.	CHAR	REMAI	N ST	YLE	FONT		ut Cover
1003	004	012		/1	6x07/16x07	INP	UT

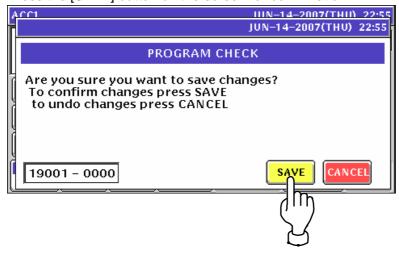
Enter a desired text according to the procedure described in Appendix "Text Editing". **EXAMPLE** "ACCUMULATION 1"

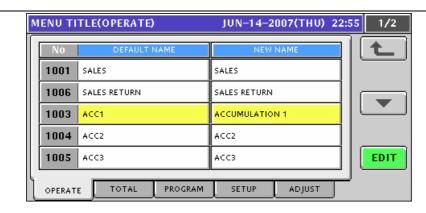


Press the [ESC] key on the key sheet.



The following confirmation screen appears. Press the [SAVE] button on the screen for confirmation.





4 Press the [TOTAL] tab on the screen.

m

Press either [▼] or [▲] button to change the pages.

Μ	IENU TI	TLE(TOTAL)	JUN-14-2007(THU) 22:56 1/2
	No	DEFAULT NAME	
	2001	SALES DAILY TOTAL	SALES DAILY TOTAL
	2002	SALES WEEKLY TOTAL	SALES WEEKLY TOTAL
	2003	SALES CUMULATIVE TOT.	SALES CUMULATIVE TOT.
	2004	VIRTUAL RECEIPT	
	2005	PROD DAILY TOTAL	PROD DAILY TOTAL
Ļ			
L	OPERAT		SETUP ADJUST

	\sim					
MENU TI	TLE(TOTAL)	JUN-14-2	007(THU) 22	:56	2/2	
No	DEFAULT	NAME	NEW	NAME] [Ł
2006	PROD WEEKLY TO	TAL	PROD WEEKLY	TOTAL	١ř	
2007	PROD CUMULATIV	'E TOTAL	PROD CUMULATIVE TOTAL			
2008	TRACEABILITY TO	TAL	TRACEABILITY TOTAL			
2009	PRESET REPORT		PRESET REPOR	r		
2010	2010 TOTAL CLEAR		TOTAL CLEAR			EDIT
OPERAT	E TOTAL	PROGRAM	SETUP	ADJUST	J -	

5. Press the [PROGRAM] tab on the screen.

	ther [] or [] buttor	JUN-14-2007(THU) 22:5	c 1/0
VIENU II	ITLE(PROGRAM)	JUN-14-2007(THO) 22:5	6 1/8
No	DEFAULT NAME	NEW NAME	t
3001	PLU FILE	PLU FILE	
3002	CAMPAIGN	CAMPAIGN	
3006	OPERATORS	OPERATORS	
3004	PRESET KEY	PRESET KEY	
3005	AD MSG	AD MSG	Prove A
OPERAT		SETUP ADJUST	•

M	IENU TI	TLE(PROGRAM)	JUN-14-2007(THU) 22:50	6 2/8
$\left[\right]$	No	DEFAULT NAME	NEW NAME	
	3003	STORE NAME STORE NAME		
	3012	DEPARTMENT	DEPARTMENT	
	3013	GROUP	GROUP	
	3019	COOKING INSTRUCTION	COOKING INSTRUCTION	ിന
	3007	NUTRITION(USA)	NUTRITION(USA)	
ľ	OPERAT	E TOTAL PROGRAM	SETUP ADJUST	-0

N	IENU TI	TLE(PROGRAM)	JUN-14-2007(THU) 22:56	3/8
$\left[\right]$	No	DEFAULT NAME	NEW NAME	
	3008	EXTRA MESSAGE1	EXTRA MESSAGE1	
	3009	EXTRA MESSAGE2	EXTRA MESSAGE2	
	3010	EXTRA MESSAGE3	EXTRA MESSAGE3	
	3011	COUPON MESSAGE	COUPON MESSAGE	
	3014	POP MESSAGE	POP MESSAGE	ED
l	OPERAT	E TOTAL PROGRAM	SETUP ADJUST	

М	IENU TI	TLE(PROGRAM	JUN-14-2	007(THU) 2	2:56	4/8	
$\left[\right]$	No	DEFAULT I	NAME	NEW	NAME	וו	Ł
	3037	ТАХ		тах] `	
	3016	SCHEME TABLE		SCHEME TABLE			=
	3017	GEN TABLE		GEN TABLE]	
	3018	LOOKUP TABLE		LOOKUP TABLE			_/IM
	3036	MINCE TRACEABILITY		MINCE TRACEA	BILITY		ED
ľ	OPERAT	E TOTAL	PROGRAM	SETUP	ADJUST		\neg

N	IENU TI	TLE(PROGRAM)	JUN-14-2007(THU) 22:50	5/8
	No	DEFAULT NAME	NEW NAME	
	3035 FIXED MARK 3020 FREE1		FIXED MARK	
			FREE1	
	3021	FREE2	FREE2	
	3022 FREE3 3023 FREE4		FREE3	(۱۱۲)
			FREE4	ED
l	OPERAT	E TOTAL PROGRAM		

Μ	ENU TI	TLE	E(PROGRAM)	JUN-14-2	007(THV) 22:	56	6/8
No DEFAULT NAME			NEW	NAME] [Ł		
	3024 FREE5		FREE5		ÌÌ			
	3025	FRE	:E6		FREE6			
	3026	FREE7			FREE7			
	3027	FREE8			FREE8			
	3028	28 FREE9		FREE9			ED	
Ч	00504T	-	TATA		CETUD	ADJUGT	1.	\neg
L	OPERAT	<u>د</u>	TOTAL	PROGRAM	SETUP	ADJUST		

Μ	MENU TITLE(PROGRAM)			JUN-14-2007(THU) 22:56		7/8		
$\left[\right]$	No	DEFAULT NAME		NEW NAME			Ł	
	3029	FREE10		FREE10				
	3030	FREE11		FREE11				
	3031	FREE12		FREE12] l	$-\mathbf{\bar{h}}$	
	3032	FREE13			FREE13			_(111)
	3033	FREE14		FREE14			ED	
Ч	OPERAT	E	TOTAL	PROGRAM	SETUP	ADJUST	<u>ַ</u>	

Μ	IENU TI	TLE(PROGRAM)	JUN-14-2	007(THV) 22:	56 8/8
ſ	No	DEFAULT I	NAME	NEW	NAME	
	3034	FREE15		FREE15		
	3015	CHECK LABEL		CHECK LABEL		
						EDIT
Γ	OPERAT	E TOTAL	PROGRAM	SETUP	ADJUST	, —

6.

Press the [SETUP] tab on the screen. Press either $[\bullet]$ or $[\bullet]$ button to change the pages.

MENU TITLE(SETUP)			JUN-14-2007(THU) 22:57	1/2
ſ	No	DEFAULT NAME	NEW NAME	t
	4002	MACHINE No.	MACHINE No.	
	4001	SALES MODE	SALES MODE	
	4003	PASSWORD	PASSWORD	L L
	4004	KEY LOCK	KEY LOCK	_/IM
	4005	DATA STORAGE	DATA STORAGE	E
ľ	OPERAT	E TOTAL PROGRAM	SETUP ADJUST	-0*

N	IENV TI	TLE(SETUP)	JUN-14-2007(THU) 22:57	2/2	
$\left[\right]$	NO DEFAULT NAME		NEW NAME	Ł	
	4026	PRESET REPORT	PRESET REPORT		
	4006	AUTO PROGRAM	AUTO PROGRAM		
	4007	DEFAULT DATA	DEFAULT DATA		
	4008	PLU UPDATE	PLU UPDATE		
	4021	RECEIPT SETTING	RECEIPT SETTING	EDIT	
ľ	OPERAT	E TOTAL PROGRAM			

7. Press the [ADJUST] tab on the screen.

Pr	Press either [▼] or [▲] button to change the pages.						
Μ	IENU TI	TLE(ADJUST)	JUN-14-2007(THU) 22:57	1/1			
$\left[\right]$	NO DEFAULT NAME		NEW NAME	ſ			
	5001	TIME / DATE SET	TIME / DATE SET				
	5002	TOUCH PANEL	TOUCH PANEL				
	5003	DISPLAY CHECK	DISPLAY CHECK				
				EDIT			
ľ	OPERAT	E TOTAL PROGRAM	SETUP ADJUST				

7.7 **OPERATION SETTING** 1. Press the "MENU EDIT" field on the screen. MENU SELECT JUN-14-2007(THU) 22:58 4/5 OPERATE MENU_EDIT OPERATION SETTING 🔵 TOTAL 😤 PROGRAM ERROR PROCESS SETUP ERROR LOG 🖳 ADJUST TRACEABILITY SETUP

- The Operation Setting (Call) screen appears. 2.
- Then, press to select a desired field for each item.

OPERATION SETTING(CALL) JUN-14-2007(THU)							FHU) 22:58
REG	I CODE HOI	.D	RETURN DEFAULT PAGE				
FIXING	; 🖌 ітеі	MEACH	YES	٩	40		
		AL	JTO PLU CA	LL			
NONE	3DIGIT	4DIGIT	5DIGIT	6DIGIT	7DIGIT	8DIGIT	
CAL							J

Press the [PRODUCTION] tab on the screen. 3. The Operation Setting (Product) screen appears. Then, press to select a desired field for each item. **OPERATION SETTING(PRODUCT)** JUN-14-2007(THU) 22:58

WEIGHTING ITEM'S WEIGHT RANGES CHECK	
TARE SELECT 1st TARE 2nd TARE	
l m	

A Press the [TIMER] tab on the screen.

The Timer Setting screen a Then, enter a desired num	appears. heric value for each item and press the corresponding field.
TIMER SETTINGS	JUN-14-2007(THU) 22:58
0 TIMER CATEGORY TIMER	

7.8 ERROR PROCESS SETTING

1. Press the "ERROR PROCESS" field on the screen.



2. The Error Process (Issue) screen appears. Press to select a desired field for each item.

ERROR PROCESS(ISSUE)	JU	N-14-2007(THU) 22:59
TARE WEIGHT NON	SET ERROR DISPALY	
NO	YES	
\$ 0 PRICE ER	ROR DISPLAY	
NO	YES 🗸	
ISSUE TIME CALL TIM		
()		
ĺ	L L	

3. Press the "CALL TIME" tab to display the Error Process (Call) screen. Then, press to select a desired field.

ERROR PROCESS(CA	LL)	JUN-14-2007(T	HU) 22:59
	POS CODE NO SET ERROR		
ERROR DISPLAY NO	ISSUE PROHIBITION	BAR NO PRINT	
		MMON	

4. Select the "COMMON" tab to display the Error Process (Common) screen. Then, press to select a desired field.

Then, press to select a desired field.	
ERROR PROCESS(COMMON) JUN-14	-2007(THU) 22:59
	L.
HEAD CUT ERROR DISPALY	
NORMAL DISCONNECTION NO	

7.9 ERROR LOG DISPLAY

1. Press the "ERROR LOG" field on the screen.



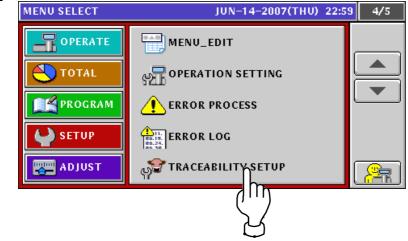
2. The Error Log (Display) screen appears. Press the $[\bullet]$ or $[\bullet]$ button when changing the pages.

E	RROR LOG	(DISPLAY)		JUN-14-2007(THU) 22:59	1/10
Iſ	DATE	ERR NO.	ITEM	ERR STR	
L	03/05 06:46	0361-0000	0	POWER IS ON	
L	02/28 16:02	1801-0000	1	CHECKING CLOCK SETTING	
L	02/28 15:56	1801-0000	0	CHECKING CLOCK SETTING	
	02/28 15:56	1801-0000	1	CHECKING CLOCK SETTING	
L	02/28 15:56	1801-0000	1	CHECKING CLOCK SETTING	
L	02/28 15:56	1801-0000	0	CHECKING CLOCK SETTING	JUN
L	02/28 15:55	1801-0000	1	CHECKING CLOCK SETTING	
	02/28 15:55	1801-0000	1	CHECKING CLOCK SETTING	
١	DISPLA	v _		INPUT	ERASE

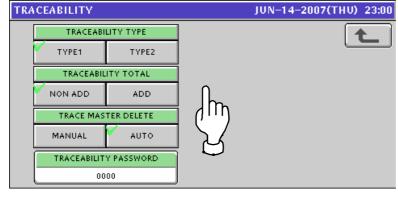
	ERROR LOG	(DISPLAY)		JUN-14-2007(THU) 22:59	2/10
	DATE	ERR NO.	ITEM	ERR STR	+
I	02/28 15:54	1801-0000	1	CHECKING CLOCK SETTING	
I	02/28 15:54	1801-0000	1	CHECKING CLOCK SETTING	
I	02/28 15:54	1801-0000	1	CHECKING CLOCK SETTING	=
I	02/28 15:00	1801-0000	0	CHECKING CLOCK SETTING	
I	06/18 14:52	0361-0000	0	POWER IS ON	
I	06/14 22:59	1801-0000	1	CHECKING CLOCK SETTING	
I	06/14 22:58	1801-0000	1	CHECKING CLOCK SETTING	
	06/14 22:51	1801-0000	1	CHECKING CLOCK SETTING	
	DISPLA	v _		INPUT	ERASE

7.10 TRACEABILITY SETTING

1. Press the "TRACEABILTY SETUP" field on the screen.



2. The Traceability screen appears. Then, press to select a desired field for each item.

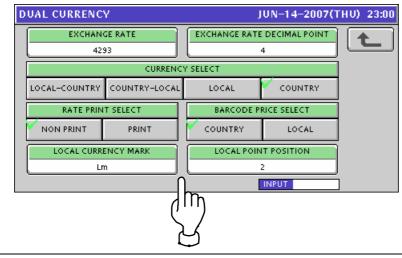


7.11 DUAL CURRENCY SETTING

1. Press the "DUAL CURRENCY" field on the screen.



- **2.** The Dual Currency screen appears.
 - Then, enter a desired numeric value for each input item, and press to select a desired field for each selection item



7.12 PRICE DOUNDING SETTING

1. Press the "PRICE ROUNDING" field on the screen.



- **2.** The Price Rounding screen appears.
 - Then, press to select a desired field for each item

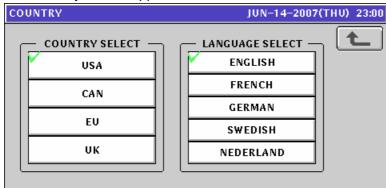
PRICE RO	UNDING			JU	IN-14-2007(TH	V) 23:00
	TAX ROUND					t
DOWN	4/5	UP				
PRICE	ROUND	D	ISCOUNT ROL	IND]	
4/5	05	DOWN	4/5	UP		
SUB-T	OTAL 1st.PRI	ICE ROUND	SUB	-TOTAL 2nd	I.PRICE ROUND	
NON	4	05		ION	05	

7.12 COUNTRY SETTING

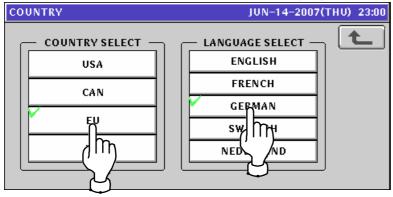
1 Press the "COUNTRY" field on the screen.



2. The Country screen appears.



Then, press to select a desired country and language.



7.13 FILE SAVE / LOAD

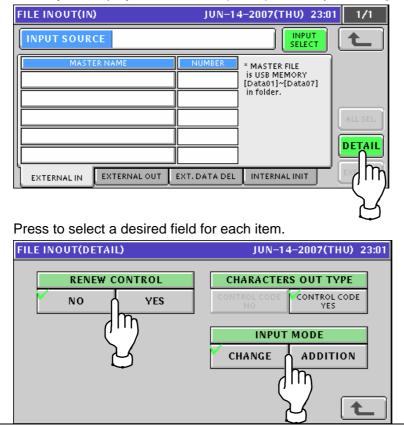
Before saving or loading the main memory data to or from the USB memory, make sure that the USB memory is inserted into the USB port located in the connector cover of he main body..



1_ Press the "FILE SV./ LD." field on the screen.



2. The External File Input screen appears for loading the USB memory data to the main memory. To display the File InOut (Detail) screen, press the [DETAIL] button.



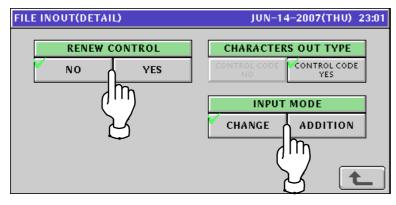
3. Press the "EXTERNAL OUT" tab to display the External File Output screen for loading the main memory data to the USB memory.

 FILE INOUT(OUT)
 JUN-14-2007(THU) 23:01
 1/1

 OUT SOURCE
 OUTPUT SELECT
 Image: Comparison of the second s

Be sure to press to select a desired data type in the "DATA" field.

Press to select a desired field for each item.



4. Press the "EXT. DATA DEL" tab to display the external data delete screen Be sure to press to select a desired data type in the "DATA" field.

FILE INOUT(DELETE) JUN-1	4-2007(THU) 23:01	1/1
DELETE SOURCE		ł
	DATA MASTER SRAM	ALL SEL DETAIL EXECUTE

5. Press the "INTERNAL INIT" tab to display the data initialization screen. Press the [-] or [-] button when changing the pages.

FILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:02 1/10
DATA INTER	NAL MASTER
MASTER NAME	NUMBER MEMORY SPACE
	36(36) 818 KB
STORE	2 ITEM MASTER CONV
FIXED PRICE MARK	
FREE1	
FREE2	
EXTERNAL IN EXTERNAL OUT	EXT. DATA DEL INTERNALINIT
	Jhn
	Ľ /
	L'AL
FILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:02 2/10
MASTER NAME	
FREE3	0 818 КВ
FREE4	0 ITEM MASTER CONV
FREES	
FREE6	
FREE7	
EXTERNAL IN EXTERNAL OUT	EXT. DATA DEL INTERNAL INIT
FILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:02 3/10
DATA INTER	NAL MASTER
MASTER NAME	NUMBER MEMORY SPACE
FREE8	0 818 KB
FREE9	
FREE10	
FREE11	
FREE12	
EXTERNAL IN EXTERNAL OUT	EXT. DATA DEL INTERNAL INIT
FILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:02 4/10
DATA INTER	NAL MASTER
MASTER NAME	NUMBER MEMORY SPACE
FREE13	
FREE14	
FREE15	
EXTRA1	
EXTRA2	

EXTERNAL IN

EXTERNAL OUT

EXT. DATA DEL INTERNAL INIT

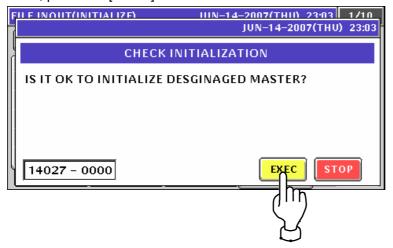
FILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:0	2 5/10
DATA INTER	RNAL MASTER	
MASTER NAME	NUMBER MEMORY SPACE	
EXTRA3	0 818 КВ	
COUPON	0 ITEM MASTER CONV	
POP	6 1182 EA	
FUNCTION KEY	240	Y 7
FORMAT	2	L K
EXTERNAL IN EXTERNAL OUT	EXT. DATA DEL INTERNAL INIT	EXECUTE
ILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:0	2 6/10
DATA INTER	RNAL MASTER	
MASTER NAME	NUMBER MEMORY SPACE	
LABEL	8 818 KB	
CASSETTE	7 ITEM MASTER CONV	
SYSTEM	1 1182 EA	
ITEM INITIAL DATA		Ľ('''')
IMAGE	31	\sum
EXTERNAL IN EXTERNAL OUT		EXECUTE
	EXT. DATA DEL INTERNAL INIT	
ILE INOUT(INITIALIZE)	JUN-14-2007(THU) 23:02	2 7/10
DATA INTER	RNAL MASTER	
MASTER NAME	NUMBER MEMORY SPACE	
NUTRITION	0 818 KB	
COOKING	0 ITEM MASTER CONV	
MENU	90 1182 EA	LAY M
ADV MSG		
עכויין איטא		
SCHEME TABLE BASIC		Ś
		EXECUTE
SCHEME TABLE BASIC	0 EXT. DATA DEL INTERNAL INIT	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE)	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT TILE INOUT(INITIALIZE) DATA INTER	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER NUMBER MEMORY SPACE	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT TILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER NUMBER MEMORY SPACE 0 818 KB	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT TILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER MEMORY SPACE 0 818 KB 0 ITEM MASTER CONV 1182 FA	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 B18 KB 0 B18 KB 1182 EA 9	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER 0 818 KB 10 1182 EA 3	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP DATA TABLE	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER 0 818 KB 0 1182 EA 3 32	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER 0 818 KB 10 1182 EA 3	
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP DATA TABLE	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER 0 818 KB 0 1182 EA 3 32	2 8/10 2 8/10 4 4 4 4 4 4 4 4 4 4 4 4 4
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP DATA TABLE EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE)	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 NUMBER 0 818 KB 0 1182 EA 3 32 EXT. DATA DEL INTERNAL INIT	2 8/10 2 8/10 4 4 4 4 4 4 4 4 4 4 4 4 4
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP DATA TABLE EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE)	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER NUMBER 0 188 KB 10 182 EA 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02	2 8/10 2 8/10 4 4 4 4 4 4 4 4 4 4 4 4 4
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER 0 818 KB 0 1182 EA 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP DATA TABLE LOOKUP DATA TABLE EXTERNAL IN EXTERNAL OUT FILE INOUT(INITIALIZE) DATA INTER MASTER NAME	0 EXT. DATA DEL JUN-14-2007(THU) JUN-14-2007(THU) Q RNAL MASTER NUMBER MEMORY SPACE 0 18 KB 18 KB 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) Q RNAL MASTER NUMBER MEMORY SPACE 0 ITEM MASTER CONV	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTER MASTER NAME SCHEME TABLE ID SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTER MASTER NAME TRACE CTRL	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 818 KB 0 1182 EA 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 INTERNAL INIT	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF MASTER NAME SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF MASTER NAME TRACE CTRL TRACE AI DATA	0 INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER NUMBER MEMORY SPACE 0 ITEM MASTER CONV 0 ITEM MASTER CONV 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 ITEM MASTER CONV JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 ITEM MASTER CONV 1182 EA 0	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF MASTER NAME SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE LOOKUP DATA TABLE EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF TRACE CTRL TRACE CTRL CAMPAIGN	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 B18 KB 0 ITEM MASTER CONV 9 1182 EA 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 ITEM MASTER CONV 0 ITEM MASTER CONV 1182 EA 0 1182 EA 0	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5
SCHEME TABLE BASIC EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF OMASTER NAME SCHEME TABLE RECORD GEN TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE LOOKUP HEADER TABLE EXTERNAL IN EXTERNAL OUT ILE INOUT(INITIALIZE) DATA INTEF MASTER NAME TRACE CTRL TRACE AI DATA CAMPAIGN CAMPAIGN PLU	0 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 818 KB 0 1182 EA 3 32 EXT. DATA DEL INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER INTERNAL INIT JUN-14-2007(THU) 23:02 RNAL MASTER MEMORY SPACE 0 818 KB 0 1182 EA 0 1182 EA	2 8/10 2 8/10 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5

FILE INOUT(INITIAL	IZE)	JUN-1	4-2007(THU) 23:0:	2 10/10
DATA	INTER	NAL MAST	ER	
MASTER NAM	E	NUMBER	MEMORY SPACE	
GROUP		0	818 KB	\square
OPERATOR		0	ITEM MASTER CONV	
MEMBRANE KEY		0	1182 EA	ALL SEL.
CUSTOM BAR		2		
IMAGE SV		22		DETAIL
EXTERNAL IN EXTE	RNAL OUT	EXT. DATA DEL		EXECUTE

6. Press to select desired files for initialization, and press the [EXECUTE] button.

FILE INOUT(INITIALIZE)	JUN-1	4-2007(THU) 23:03	1/10
DATA INT	FERNAL MAST	ER	
MASTER NAME	NUMBER	MEMORY SPACE	
ITEM	36(36)	818 KB	
STORE	2	ITEM MASTER CONV	
	16		ALL SEL.
	0	1	
FREE2	0		DETAIL
EXTERNAL IN EX AL OL	JT EXT. DATA DEL		EXECUTE

7. The following confirmation screen appears. Then, press the [EXEC] button to execute file initialization.



8

ADJUSTMENT MODE

8.1 ADJUSTMENT MODE ENTRY

Press the [ADJUST] button on the Menu Select screen. 1. JUN-14-2007(THU) 23:06 MENU SELECT 1/1 OPERATE ACCUMULATION 1 🔨 TOTAL ACC2 PROGRAM 🖬 АССЗ SETUP 🛛 ADJUST 🛵 TOTAL ADJUST IT

2. The Adjustment Menu screen appears.

JUN-14-2007(THU) 23:06 MENU SELECT 1/1 TIME / DATE SET OPERATE TOUCH PANEL TOTAL 📲 PROGRAM 🖧 DISPLAY CHECK) SETUP 📟 ADJUST Mr 3. Enter "495344" and press the [PLU] key on the key sheet to enter Service Mode. 9 5 3 4 4 Δ PLU Hidden menus come up on the screen. Press the $[\bullet]$ or $[\bullet]$ button when changing the pages. MENU SELECT JUN-14-2007(THU) 23:06 1/3 OPERATE TIME / DATE SET TOUCH PANEL TOTAL 📲 🖉 PROGRAM 👌 DISPLAY CHECK Ir 🚟 кеч снеск 🍐 SETUP

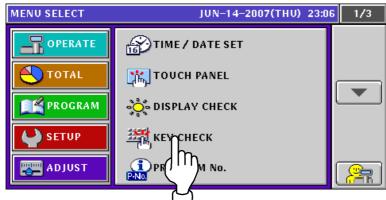
PROGRAM No.

ADJUST

MENU SELECT	JUN-14-2007(THU) 23:0	6 2/3
	MEMORY CLEAR	
TOTAL	PRINTER ADJUST	
PROGRAM		
SETUP	DOWNLOAD	52
ADJUST	OPTION CHECK	
MENILSELECT	UIN-14-2007(THII) 23-0	6 3/3
MENU SELECT	JUN-14-2007(THU) 23:0	6 3/3
MENU SELECT	JUN-14-2007(THU) 23:0	6 3/3
		6 3/3
OPERATE	DISPLAY CAPTURE	6 3/3
OPERATE TOTAL	DISPLAY CAPTURE	6 3/3

8.2 **KEY CHECK**

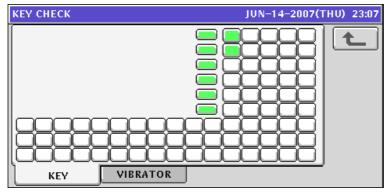
1. Press the "KEY CHECK" field on the screen.



2. The Key check screen appears.

KEY CHECK	JUN-14-2	2007(THU) 23:07
	U UBRATOR	

Press any keys on the membrane key sheet and confirm that the corresponding key colors on the screen change into green.



Press the "VIBRATOR" tab to display the Key Vibrator screen.

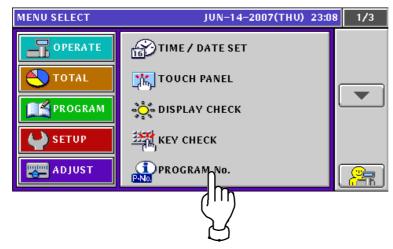
3.	Press the "VIBRA"	TOR" tab to display	/ the Key Vibra	ator screen
•	KEY VIBRATOR		JUN-14-2007	(THU) 23:08
	VIBRATE OFF ON	CYCLE - 558 + DUTY - 279 +		
	KEY]

Press to select whether or not to enable the vibration function. Then, press the [+] or [-] button to get a desired value.

KEY VIBRATOR	· · · ·	JUN-14-2007(THU) 23:08
VIBRATE	CYCLE	t
OFF ON	- 558 +	
PAT	DUTY	
- 2 +	- 279 +	
KEY A		
	VIBRATOR	INPUT

8.3 PROGRAM NUMBER

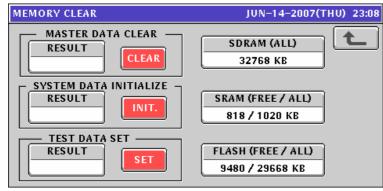
1. Press the "PROGRAM No." field on the screen.



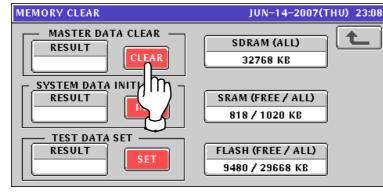
The Program Number screen appears. 2. Then, confirm the program numbers used in this machine. JUN-14-2007(THU) 23:08 PROGRAM No. TITLE SOFTWARE C1605A t SOFTWARE VERSION NO MAIN C1605A VxWorks5.5.1-1.3/B0611A os BOOT ROM Z0475B KEY BOARD Z0470 SCALE J0659 PRINTER1(FPGA) B0612 PRINTER2(PK268*)

MEMORY CLEAR 8.4 Press the "MEMORY CLEAR" field on the screen. 1. JUN-14-2007(THU) 23:08 MENU SELECT 2/3 OPERATE MEMORY CLEAR Πhust 🔨 τοταί PRINTE 📄 🌋 PROGRAM CALIBRA SETUP DOWNLOAD OPTION CHECK ADJUST

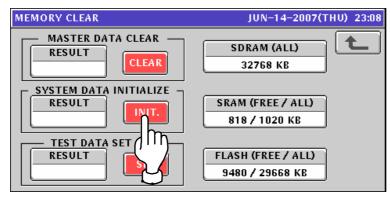
2. The Memory Clear screen appears.



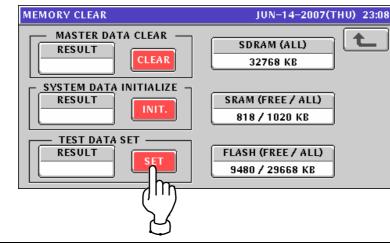
3. To clear the master data, press the [CLEAR] button.



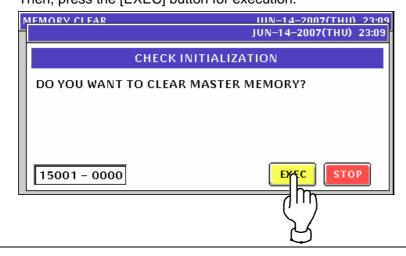
4. To initialize the system data, press the [INIT.] button.



5. To set the test data, press the [SET] button.

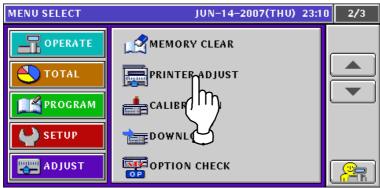


6. The following confirmation screen appears. Then, press the [EXEC] button for execution.

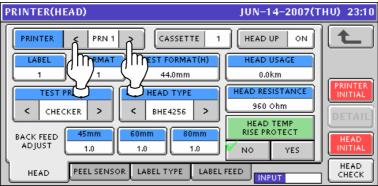


8.5 PRINTER ADJUSTMENT

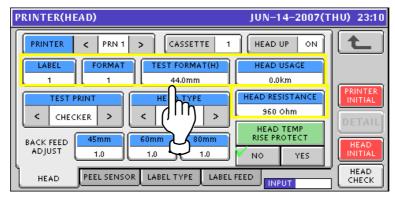
1 Press the "PRINTER ADJUST" field on the screen.



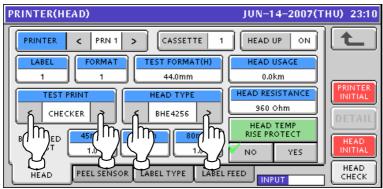
- **2.** The Printer (Head) screen appears.
 - Then, select a desired printer by using either [<] or [>] button.



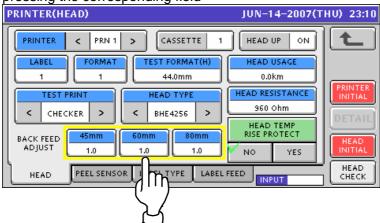
Enter a desired numeric value for each item and press the corresponding field.



Select a desired test print type and head type by using either [<] or [>] button.



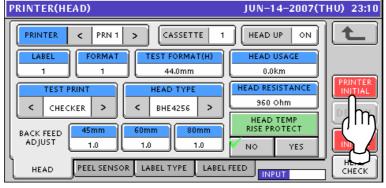
Perform back feed adjustment by entering a desired numeric value for each item and pressing the corresponding field



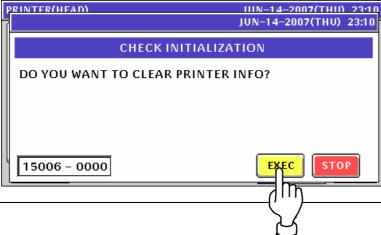
Press a desired field to select whether or not to use the head temperature rise protect function.

PRINTER(HEAD)	JUN-14-2007(THU) 23:10
PRINTER PRN 1 > CASSETTE 1	
LABEL FORMAT TEST FORMAT(H) 1 1 44.0mm	HEAD USAGE 0.0km
TEST PRINT C CHECKER HEAD TYPE C HECKER BHE4256 BACK FEED 45mm ADJUST 1.0	HEAD RESISTANCE 960 Ohm HEAD TEMP RISE PROTECT NO YES
HEAD PEEL SENSOR LABEL TYPE LABEL FE	

3. When initializing the printer, press the [PRINTER INITIAL] button.



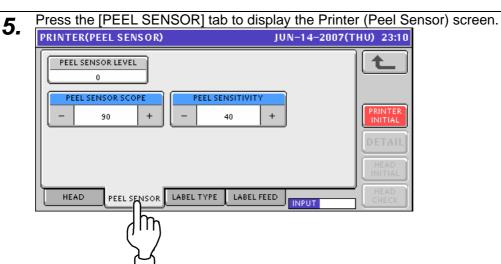
Press the [EXEC] button for execution.



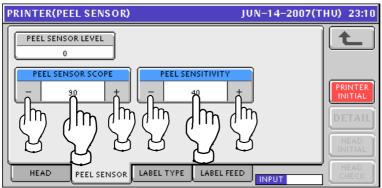
4.	When initializing the thermal head, press the [HEAD INITI	
••	PRINTER(HEAD) JUN-14-2007(THU) 23	8:10
	PRINTER < PRN 1 > CASSETTE 1 HEAD UP ON	
	LABEL FORMAT TEST FORMAT(H) HEAD USAGE	
		FR
	TEST PRINT HEAD TYPE HEAD RESISTANCE	ALL I
	CHECKER > C BHE4256 > BOOTONN	1L
	BACK FEED 45mm 50mm 80mm RISE PROTECT HEA ADJUST 1.0 1.0 NO YES	
		чуш
	Press the [EXEC] button for execution.	4
	PRINTER(HEAD) IIIN-14-2007(THII) 23	-10
	JUN-14-2007(THU) 23:	10
	CHECK INITIALIZATION	
	DO YOU WANT TO CLEAR THERMAL HEAD INFO?	-1
	15007 - 0000 EXEC STOP	
	$\langle \rangle$	
	S	

Press the [HEAD CHECK] button to check whether the thermal head functions properly or not. You can hear the beep sound when the head is functioning properly.

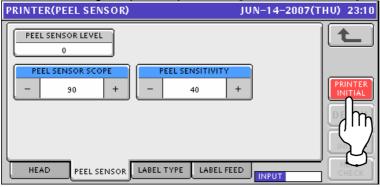
PRINTER(HEAD)	JUN-14-2007(THU) 23:10
PRINTER < PRN 1 > CASSETTE 1	
LABEL FORMAT TEST FORMAT(H) 1 1 44.0mm	HEAD USAGE
TEST PRINT < CHECKER < CHECKER	HEAD RESISTANCE 960 Ohm
BACK FEED 45mm 60mm 80mm 1.0 1.0	HEAD TEMP RISE PROTECT NO YES
HEAD PEEL SENSOR LABEL TYPE LABEL F	EED INPUT
	quì
	L L



Select a desired print density level by using either [-] or [+] button, or, pressing the corresponding field after numeric data entry.

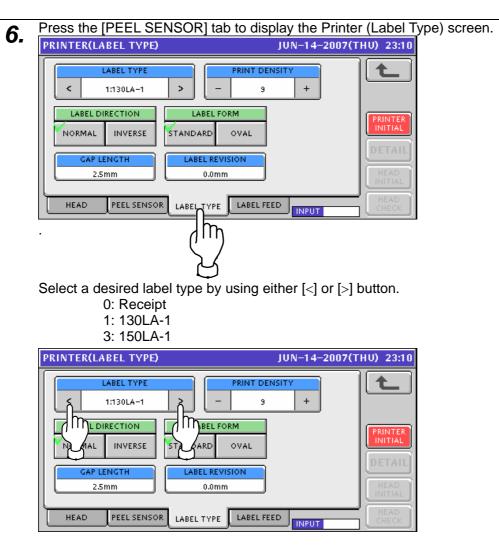


When initializing the printer, press the [PRINTER INITIAL] button.

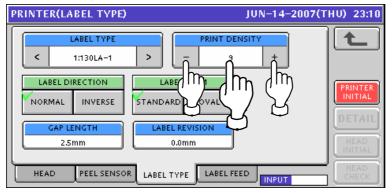


Press the [EXEC] button for execution.



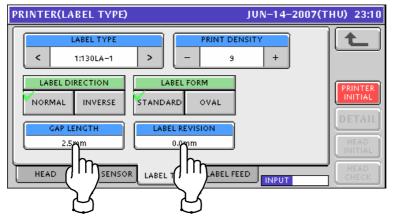


Select a desired print density level by using either [<] or [>] button, or, pressing the corresponding field after numeric data entry.



Press to select a desired field for each item. PRINTER(LABEL TYPE) JUN-14-2007(THU) 23:10 t LABEL TYPE PRINT DENSITY < > + 1:130LA-1 _ 9 LABEL DIRECTION LABEL FORM PRINTER INITIAL NORMAL INVERSE STANDARD OVAL Ir IIN LABEL GA HEAD PEEL SENSOR LABEL FEED LABEL TYPE INPUT

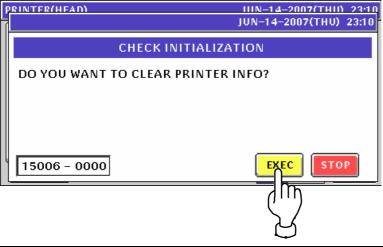
Enter a desired numeric value for each item and press the corresponding field.

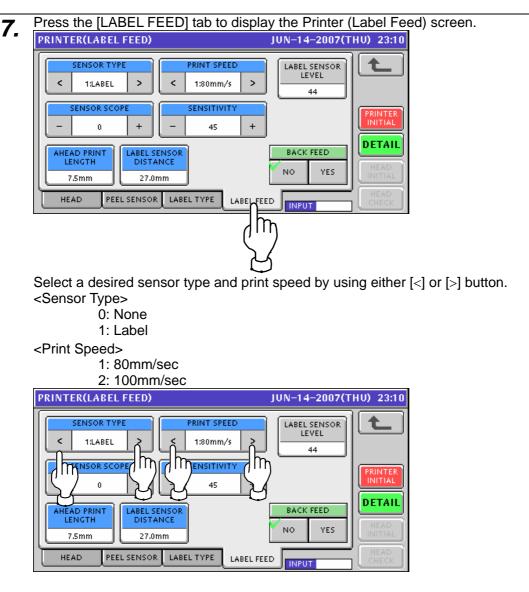


When initializing the printer, press the [PRINTER INITIAL] button.

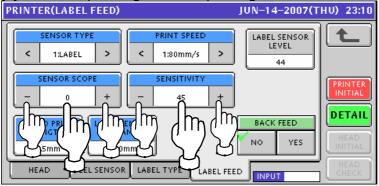
PKIN	TEKLEA	BEL LANE)			10	IN-14	2007(1	HU) 23:TU
		ABEL TYPE			PRINT DENSIT			t
	C LABEL DI	1:130LA-1	>	EL FOI	9 RM	+		
	ORMAL		STANDAR		OVAL			
E	GAP LE 2.51	mm		L REVIS 0.0mm				Σ
	HEAD	PEEL SENSOR	LABEL T	YPE	LABEL FEED	INPUT		HEAD CHECK

Press the [EXEC] button for execution.





Select a desired numeric value for sensor scope and sensitivity levels by using either [-] or [+] button, or, pressing the corresponding field after numeric data entry.

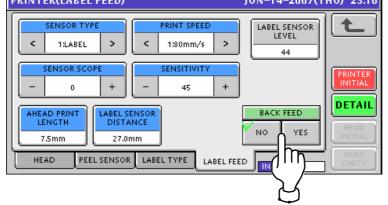


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Enter a desired numeric value for each	th item and press the corresponding field.
PRINTER(LABEL FEED)	JUN-14-2007(THU) 23:10
SENSOR TYPE PRINT SPEED <	LABEL SENSOR LEVEL 44
SENSOR SCOPE - 0 + - 45 +	
AHEAD PRINT LENGTH 7.5mm 27.0mm	NO YES

Press a desired field to select whether or not to use the back feed function.

 PRINTER(LABEL FEED)
 JUN-14-2007(THU) 23:10



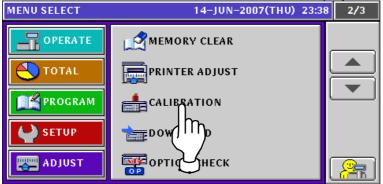
To display the detailed data of the printer, press the [DETAIL] button.

PRINTER(LABEL FEED)		JUN-14-2007(T	HV) 23:10
SENSOR TYPE	PRINT SPEED <	LABEL SENSOR LEVEL 44	
SENSOR SCOPE	SENSITIVITY - 45 +		PRINTER
AHEAD PRINT LENGTH 7.5mm	NCE	BACK FEED	
HEAD PEEL SENSOR	LABEL TYPE LABEL FEE		Y

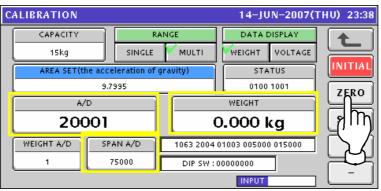
PRINTER(DETAIL)	JUN-14-2007(THU) 23:11
224	
160	
96	
32	

8.6 CALIBRATION

1. Press the "CALIBRATION" field on the screen to display the Calibration screen..

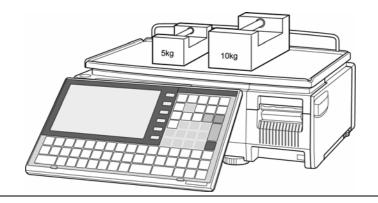


- 2. Press the [ZERO] button to perform zero point adjustment.
 - Then, the WEIGHT displays field shows "0.000kg" or "0.00lb". Check that the value in the A/D display field is "20000" and the SPAN A/D display field shows "75000" at this time.

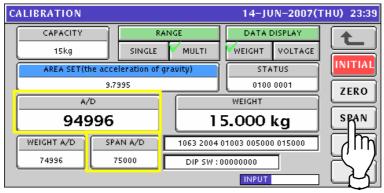


RANGE	Press to select either the "SINGLE" or "MULTI" field.	
DATA DISPLAY Press to select either the "WEIGHT" or "VOLTAGE" field.		
AREA SET	Enter a desired numeric value and press this field.	

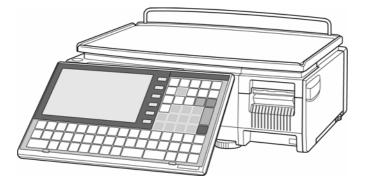
3. Place the weights of the same weight as the upper limit of the weighing capacity on the weigh platter.



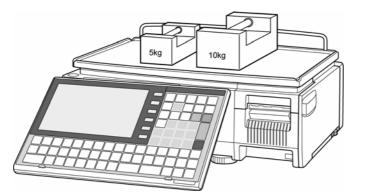
- **4.** Press the [SPAN] button when displaying values are stabilized.
 - Then, check that the A/D display field shows "95000", and the SPAN A/D display field shows "75000".

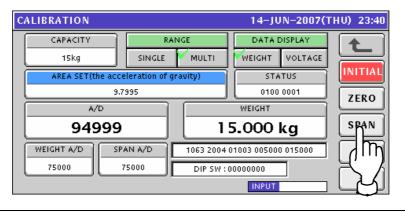


5. If the A/D and SPAN A/D values are not "95000" and "75000" respectively, remove the weights from the platter.

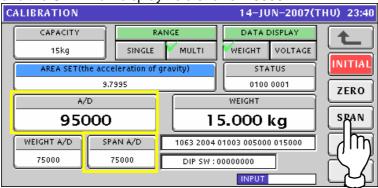


Then, place them on the platter again and press the [SPAN] button to check that the A/D display field shows "95000", and the SPAN A/D display field shows "75000".



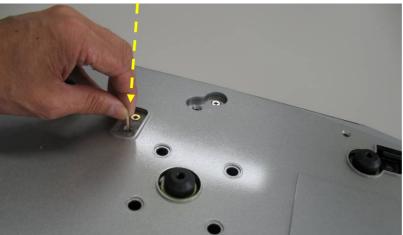


6. Repeat steps 3 through 5 above several times until the A/D display field shows "95000", and the SPAN A/D display field shows "75000".



7. To memorize the adjusted span value, press the Memory button located on the main board inside of the machine with a nonconductive and thin material such a wooden stick through the hole on the upper case.



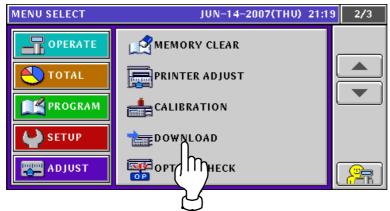


8.7 DOWNLOADING

Before down-loading data from the USB memory, make sure that the USB memory is inserted into the USB port located in the connector cover of he main body.



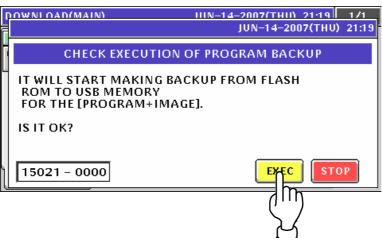
1. Press the "DOWNLOAD" field on the screen to display the Download (Main) screen.



2-1. When loading data from the main memory to the USB memory, press to select the $[MAIN \rightarrow USB]$ button and press the [EXECUTE] button

DOWNLOA	D(MAIN)		JUN	-14-2007(1	'HV) 21:19	1/1
		COPY METH	IOD SELECT			1
	USB->MAIN (ONLY PRG)	USB->MAIN (ONLY IMG)	USB->MAIN (BOOT REN)	MAIN->USB (PRG±IMG)	MAIN (ALL CLR)	
	ORY FOLDER		GRAM No.		RAM No.	
				$ \rightarrow \downarrow \downarrow$		
<u> </u>		J				
		I				
MAIP	v 🔽	SUB				EXECUTE
			_		(
						('''')
						Σ
						\bigcirc

2-2. The following confirmation screen appears. Then, press the [EXEC] button for execution.

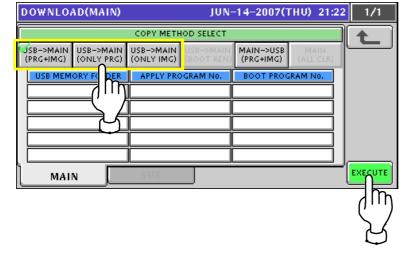


2-3. The progress screen appears.

D٥	¥NLOAD(MAIN)	JUN-14-2007(THU) 21:19	1/1
	ADVANCE CONDITION	JUN-14-2007(THU) 2	:20
USB- (PR¢			P
	Do not turn off the	power supply until send finished.	
	FORMDATA/APP101001.CSV		
	>>>>>>>		
	MAIN SUB		EXECUTE

The beep sounds when completed.

3-1. When loading data from the USB memory to the main memory, press to select one of the $[USB \rightarrow MAIN]$ buttons and press the [EXECUTE] button



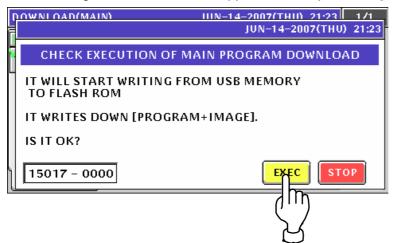
3-2. The Down Load (Main) screen appears.

D	OWNLO	AD(MAIN)		JUN-	-14-2007(1	FHU) 21:2	3 1/1
ſ			COPY METH	IOD SELECT			
			USB->MAIN (ONLY IMG)		MAIN->USB (PRG+IMG)	MAIN (ALL CLR)	
	USB MEM	ORY FOLDER	APPLY PRO	GRAM No.	BOOT PROG	RAM No.	
	C1605H01		C1605H				
MAIN EXEC			EXECUTE				

Press to select desired folders.

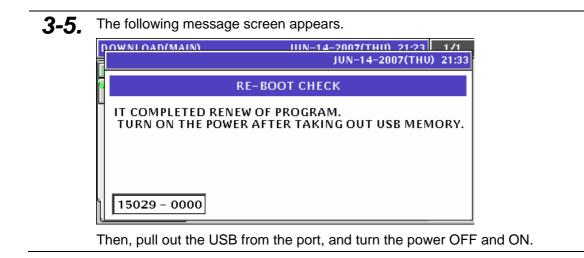
DOW	DOWNLOAD(MAIN) JUN		JUN-	-14-2007(1	FHU) 21:2	3	1/1	
			COPY METH	OD SELECT			70	
USB-> (PRG+			USB->MAIN (ONLY IMG)	USB->MAIN (BOOT REN)	MAIN->USB (PRG+IMG)	MAIN (ALL CLR)	ľ	
USE	8 MEM	ORY FOLDER	APPLY PRO	GRAM No.	BOOT PROC	RAM No.	Ш	
C160	05H01		C1605H				L	
							L	
			Ľ Í				L	
						L		
				\cup				
	MAI		SUB				-[EXECUTE

3-3. The following confirmation screen appears. Then, press the [EXEC] button for execution.



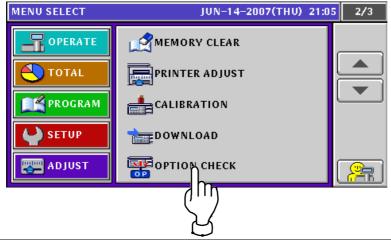
3-4. The progress screen appears.



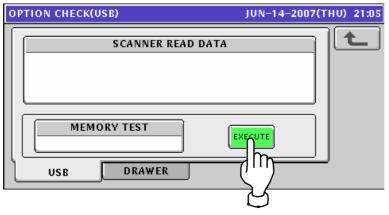


8.8 OPTION CHECK

1. Press the "OPTION CHECK" field on the Menu Select screen.



2. The Option Check (USB) screen appears. Press the [EXECUTE] button to perform a memory test.



The "OK" message appears when the memory test has been completed.

OPTION CHECK(USB)	JUN-14-2007(THU) 21:05
SCANNER READ DATA	
	XECUTE
USB DRAWER	

USB

3. Press the "DRAWER" tab to display the Option Check (Drawer) screen.

	or each drawer port.
OPTION CHECK(DRAWER)	JUN-14-2007(THU) 21:05
PORT #1	
USB DRAWER	s.
OPTION CHECK(DRAWER)	JUN-14-2007(THU) 21:05
PORT #1 EXECUTION PORT #2	

The beep sounds when the execution has been completed.

DRAWER

8.9 DISPLAY CAPTURE

1. Press the "DISPLAY CAPTURE" field on the screen.

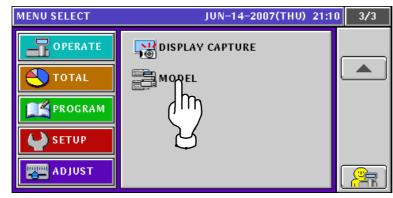
MENU SELECT	JUN-14-2007(THU) 21:08	3/3
OPERATE		
ΤΟΤΑΙ	MODE (
PROGRAM	ц Ц	
SETUP		
ADJUST		æ

2. Press to select a desired field to decide whether or not to capture screen data.

DISPLAY CAPTURE		JUN-14-2007(THU) 21:08
		t
	DISPLAY CAPTURE	}
	\cup	

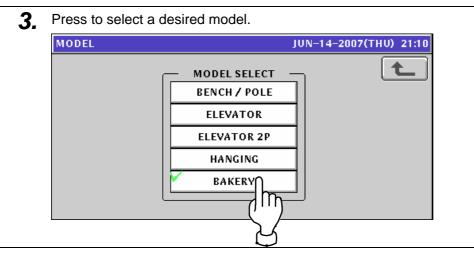
8.10 MODEL SETTING

1. Press the "MODEL" field on the screen.



2. The Model Setting screen appears.

MODEL	JUN-14-	2007(THU) 21:10
	MODEL SELECT BENCH / POLE	L
	ELEVATOR	
	ELEVATOR 2P	
	HANGING	
	BAKERY	



ERROR SCREENS

9

ERROR ID NOS. 105 - 116

ID NO.	TITLE	ТЕХТ
105	INITIALIZATION FAILED	MAKE MEMORY INITIALIZATION
106	BATTERY IS FAULT	BATTERY SWITCH IS OFF OR NO MORE BATTERY
107	TOUCH PANEL ADJUSTMENT IS NOT COMPLETED YET	SET UP WITH (TOUCH PANEL) MODE
108	CLOCK SETTING IS NOT COMPLETED YET	SET UP WITH (CLOCL MODE)
109	PRINTER 1 INITIALIZATION WAS NOT DONE YET	INITIALIZE PRINTER 1
110	MACHINE SETTING IS NOT COMPLETED	SET UP WITH (MACHINE SELECTION) MODE
111	THE DISPLAY CONFIREMATION IS NOT COMPLETED.	PLEASE SET IT ON [DISPLAY CONFIRMATION] SCREEN OF THE ADJUSTMENT MODE.
112	THE CONFIRMATION OF THE KEY OPERATION IS NOT COMPLETED.	PLEASE SET IT ON [KEY] SCREEN OF THE ADJUSTMENT MODE.
113	PRINTER 2 ERROR	PLEASE SET IT ON [COMMUNICATION CHECK] SCREEN OF THE ADJUSTMENT MODE.
114	THE DATA COMPOSTION IS DIFFERENNT.	PLEASE INITIALIZE THE MEMORY.
116	THE COUNTRY HAS NOT BEEN SELECTED.	PLEASE SELECT THE COUNTRY.

ERROR ID NOS. 202 - 295

ID NO.	TITLE	ТЕХТ
202	PLU MASTER IS NOT PROGRAMMED	PLU No. [*] IS NOT PROGRAMMED. CHECK PLU No.
203	POSP MASTER IS NOT PROGRAMMED	POP No. [*] IS NOT PROGRAMMED. DLETE IT?
204	ORIGIN MASTER IS NOT PROGRAMMED	COUNTRY OF ORIGIN No. [*] IS NOT PROGRAMMED DELETE IT?
205	PRIMARY MATERIAL MASTER IS NOT PROGRAMMED	MATERIAL No. [*] IS NOT PROGRAMMED DELETE IT?
206	STORAGE CONDISTION MASTER IS NOT PROGRAMMED	PRESERVATION WAY No. [*] IS NOT PROGRAMMED DELETE IT?
207	TEMPERATURE MASTER IS NOT PROGRAMMED	TEMPERATURE No. [*] IS NOT PROGRAMMED DELETE IT?
212	FREE1 MASTER ISN'T REGISTERED	FREE1 No. [*] ISN'T PROGRAMMED. DELETE IT?

213	FREE2 MASTER ISN'T REGISTERED	FREE2 No. [*] ISN'T PROGRAMMED DELETE IT?
214	FREE3 MASTER ISN'T REGISTERED	FREE3 No. [*] ISN'T PROGRAMMED DELETE IT?
215	FREE4 MASTER ISN'T REGISTERED	FREE4 No. [*] ISN'T PROGRAMMED DELETE IT?
216	FREE5 MASTER ISN'T REGISTERED	FREE5 No. [*] ISN'T PROGRAMMED DELETE IT?
219	STORE MASTER IS NOT PROGRAMMED	STORE No. [*] IS NOT PROGRAMMED CHECK STORE No.
221	TARE LIMIT OVER (MAX 5998g)	RE-PROGRAM TARE WEIGHT. IF YOU RELEASE ERROR
222	TARE WEIGHT IS 0g	SET TARE WEIGHT
223	COMMENT MASTER IS NOT PROGRAMMED	COMMENT No. [*] IS NOT PROGRAMMED DELETE IT?
224	LABEL SETTING MASTER IS NOT PROGRAMMED	LABEL No. [*] IS NOT PROGRAMMED WANT TO PROGRAM AS DEFAULT?
229	FILE SYSTEM IS ABNORMAL	CHECK FILE CONTENTS
259	CALORY MASTER IS NOT PROGRAMMED	CAROLY No. [*] IS NOT PROGRAMMED DELETE IT?
266- 000	FILE INPUT ERROR	THERE IS FILE THAT FAILED IN INPUT.
266- 001	FILE INPUT ERROR	FAILED IN RECONSTRUCTION OF SRAM DATA
267- 000	FILE OUTPUT ERROR	THERE IS FILE THAT IS FAILED IN OUTPUT.
267- 001	FILE OUTPUT ERROR	FAILED IN SRAM DATA BACK UP
268- 000	FILE DELETE ERROR	THERE IS MASTER THAT FALIED IN DELETING.
268- 001	FILE DELETE ERROR	FAILED IN SRAM DATA DELETE
268- 002	FILE DELETE ERROR	IT FAILED IN DATA DELETE.
268- 003	FILE DELETE ERROR	THERE IS DATA THAT FAILED IN DELETING.
271	INITIALIZE ERROR	THERE IS MASTER THAT FAILED IN INITIALIZATION
273	ABNORMAL	THERE IS ISSUE THAT HAS DIGNOSYS RESULT AS ABNORMAL.
274- 000	ABNORMAL	THERE IS ISSUE THAT HAS DIGNOSIYS RESULT AS ABNORMAL.
274- 001	ABNORMAL	IT CANCELED TOTAL DIGNOSYS PROCESS WITH FOLLOWING REASON. - IT FAILED IN DIGYNOSYS START PROCESS
274- 002	ABNORMAL	IT CANCELED TOTAL DIGNOSYS PROCESS WITH FOLLOWING REASON. - IT FAILED IN GETTING IT.

274- 003	ABNORMAL	IT CANCELED TOTAL DIGNOSYS PROCESS WITH FOLLOWING REASON. * IT FINISHED DIGNOSYS PROCESS WITHIN TIME.
281	TARE LIMIT OVER (MAX 5.998kg)	RE-PROGRAM TARE WEIGHT. IF YOU RELEASE ERROR
282	TARE WEIGHT IS 0kg	SET TARE WEIGHT
283	TARE LIMIT OVER (MAX 9.99lb)	RE-PROGRAM TARE WEIGHT. IF YOU RELEASE ERROR
284	TARE WEIGHT IS 0lb	SET TARE WEIGHT
286	FREE 6	
287	FREE 7	
288	FREE 8	
289	FREE 9	
290	FREE 10	
291	FREE 11	
292	FREE 12	
293	FREE 13	
294	FREE 14	
295	FREE 15	

ERROR ID NOS. 312 - 396

ID NO.	TITLE	ТЕХТ
312- 000	LABEL IS REMAINING	* LABEL IS REMAINING. REMOVE LABEL
312- 001	LABEL IS REMAINING	REMOVE LABEL ON APPLICATOR.
313	PRINTER THERAML HEAD IS UP	* THERMAL HEAD IS UP. SET THERMAL HEAD
316	MARK DOWN PRICE IS MORE THAN ORIGINAL PRICE	CHECK PRICE. NORMAL PRICE[* \$] MARK DOWN PRICE[* \$]
317	VARIOUS PRICE IS LOWER THAN ORIGINAL PRICE	CHECK PRICE. NORMAL PRICE[* \$] VARIOUS PRICE[* \$]
318	MARK DOWN UNIT PRICE IS LESS THAN ORIGINAL PRICE.	CHECK UNIT PRICE. NORMAL UNIT/PRICE[* \$] MARK DOWN UNIT PRICE[* \$]
319	PRODUCTION FOR TARGET IS COMPLETED	CHECK TARGET No. CLEARS TARGET No.
321	PRICE IS NOT PROGRAMMED	ENTER PRICE
339	LOWER VALUE IS LESS THAN FIXED WEIGHT	IF YOU CHANGE FIXED WEIGHT [* g] TO [* g]
342	POS CODE IS NOT PROGRAMMED	POS CODE IS NOT PROGRAMMED AFTER PROGRAMMING IT
343	POS CODE IS NOT PROGRAMMED	POS CODE IS NOT PROGRAMMED. BARCODE CAN NOT BE PRINTED.
347- 000	THERMAL HEAD IS WORN OUT	IT WORNS OUT WHERE IT DOES NOT EFFECT ON PRINTING. NO PROBLEM ON PRICING LABEL. DO YOU WANT TO CHECK? PRESS (EXEC) TO CHECK. DOES NOT CHECK (STOP).
347- 001	THERMAL HEAD IS WORN OUT	IT IS WORN OUT SIDE OF FORMAT YOU NEED TO CHANGE THERAMAL HEAD. DO YOU WANT TO CHECK? START CHECKING WITH (EXEC). (STOP) DO NOT CHECK
347- 002	THERMAL HEAD IS WORN OUT	IT IS NOT PRITNING BARCODE CORRECTLY. CHANGE THERMAL HEAD. YOU CAN NOT DO THE WORK.
351	LABEL IS REMAINING	REMOVE LABEL
356	THERE IS NO CF CARD	CHECK CF CARD.
357	THERE IS NO DICTIONARY FILE	CHECK CF CARD.
361	POWER IS ON	CHECK SCALE FOR STARTING PRODUCTION.
396	NO USB MOMORY	CHECK USB MEMORY

ERROR ID NOS. 703 – 715

ID NO.	TITLE	ТЕХТ					
703	PRINTER 1 HAS PROBLEM	NO SPACE FOR PRINTING QUE. WAIT 10 SEC AFTER TURNING OFF THE MACHINE.					
710- 000	NO LABEL FOR PRINTER 1	CHANGE LABEL FOR PRINTER 1 1. PULL OUT CASSETTE 2. CHANGE LABEL 3. SET CASSETTE					
710- 001	NO LABEL FOR PRINTER 1	CHANGE LABEL FOR PRINTER 1 1. UP THERMAL HEAD					
710- 002	NO LABEL FOR PRINTER 1	CHANGE LABEL FOR PRINTER 1 1. OPEN FRONT COVER					
711- 000	LABEL SIZE ERROR FOR PRINTER 1	REMOVE LABEL FOR PRINTER 1 PRESS (FEED) TO PRINT OUT LABEL.					
711- 001	LABEL SIZE ERROR FOR PRINTER 1	REMOVE LABEL FOR PRINTER 1 PRINT OUT LABEL BY (FEED) KEY.					
711- 002	LABEL SIZE ERROR FOR PRINTER 1	REMOVE LABEL FOR PRINTER 1 1. OPEN FRONT COVER					
712- 000	NO CASSETE FOR PRINTER 1	SET CASSETTE FOR PRINTER 1 PRINT OUT LABEL BY (FEED)					
712- 001	NO CASSETE FOR PRINTER 1	SET CASSETTE FOR PRINTER 1 PRINT OUT LABEL BY (FEED)					
712- 002	NO CASSETE FOR PRINTER 1	SET CASSETTE FOR PRINTER 1 1. OPEN FRONT COVER. 2. SET UP CASSETTE 3. PRINT OUT LABEL BY (FEED) 4. CLOSE FRONT COVER. 5. PRESS (RETURN)					
713	TOO MANY CHARACTERS ON FORMAT FOR PRINTER 1	FAILED IN [*].					
714- 000	REMAINING LABEL ON PRINTER 1	REMOVE LABEL					
714- 001	REMAINING LABEL ON PRINTER 1	REMOVE LABEL					
714- 002	REMAINING LABEL ON PRINTER 1	REMOVE LABEL					
715- 000	THERMAL HEAD IS WORN OUT FOR PRINTER 1	NEED TO CHANGE THERMAL HEAD					
715- 001	THERMAL HEAD IS WORN OUT FOR PRINTER 1	THERMAL HEAD IS WORN OUT BUT DOES NOT EFFECT ON PRINTING YOU CAN CONTINUE LABELLING. DO YOU WANT TO MAKE FURTHER CHECK? PRESS (EXEC) TO CHECK. DOES NOT MAKE (STOP) CHECK.					
715- 002	THERMAL HEAD IS WORN OUT FOR PRINTER 1	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					

715- 003	THERMAL HEAD IS WORN OUT FOR PRINTER 1	CAN NOT PRINT BARCODE CORRECTLY. CHANGE THERMAL HEAD. CAN NOT PRINT LABEL. CAN NOT DO LABELLING.
715- 004	THERMAL HEAD IS WORN OUT FOR PRINTER 1	THERMAL HEAD IS WORN OUT BUT DOES NOT EFFECT ON PRINTING YOU CAN CONTINUE LABELLING. DO YOU WANT TO MAKE FURTHER CHECK? PRESS (EXEC) TO CHECK. DOES NOT MAKE (STOP) CHECK.
715- 005	THERMAL HEAD IS WORN OUT FOR PRINTER 1	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
715- 006	THERMAL HEAD IS WORN OUT FOR PRINTER 1	CAN NOT PRINT BARCODE CORRECTLY. CHANGE THERMAL HEAD. CAN NOT PRINT LABEL. CAN NOT DO LABELLING.
715- 007	THERMAL HEAD IS WORN OUT FOR PRINTER 1	THERMAL HEAD IS WORN OUT BUT DOES NOT EFFECT ON PRINTING YOU CAN CONTINUE LABELLING. DO YOU WANT TO MAKE FURTHER CHECK? PRESS (EXEC) TO CHECK. DOES NOT MAKE (STOP) CHECK.
715- 008	THERMAL HEAD IS WORN OUT FOR PRINTER 1	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
715- 009	THERMAL HEAD IS WORN OUT FOR PRINTER 1	CAN NOT PRINT BARCODE CORRECTLY. CHANGE THERMAL HEAD. CAN NOT PRINT LABEL. CAN NOT DO LABELLING.

ERROR ID NOS. 1601 - 1624

ID NO.	TITLE	ТЕХТ
1601	SPAN ADJUSTMENT FOR SCALE IS NOT COMPLETED	RE-SET SPAN
1624	DATA SET ERROR	SET DATA ONEDIGIT DIFFERENT ERROR. ONE DIGIT CHECK.

ERROR ID NOS. 1801 – 1825

ID NO.	TITLE	ТЕХТ
1801	CHECKING CLOCK SETTING	ADJUST CLOCK.
1824- 000	TARGET ACHIEVED	TARGET ACHIVED
1824- 001	CHANGE PLU	DO YOU WANT TO CHANGE?
1824- 002	EXIT SALES MODE	DO YOU WANT TO SAVE TO TARGET VALUE?

ERROR ID NO. 2001

ID NO.	TITLE	TEXT
2001	NO SPACE FOR MEMORY CARD	CHANGE IT TO NEW MEMORY CARD OR DELETE UNNECESSARY FILE IN MEMORY CARD BY PC

ERROR ID NOS. 9608 – 9690

ID NO.	TITLE	ТЕХТ
9608	IT IS NOT PROGRAMMED IN PRESERVASION WAY MASTER	TEMPERATURE MASTER No. [*] IS NOT PROGRAMMED. CHECK THE CONTENTS FOR MASTER.
9609	IT IS NOT PROGRAMMED IN PRESERVASION WAY MASTER	PRESERVATION No. [*] IS NOT PROGRAMMED. CHECK THE CONTENTS FOR THE MASTER.
9653	IT IS NOT PROGRAMMED IN CALORY MASTER	CALORY No. [*] IS NOT PROGRAMMED. CHECK THE CONTENTS FOR MASTER.
9690	MEMORY IS FULL	DATA CAN NOT BE RENEWED. IT DELETES UNNECESSARY MASTER IN THE MASTER MACHINE.

TEXT EDITING



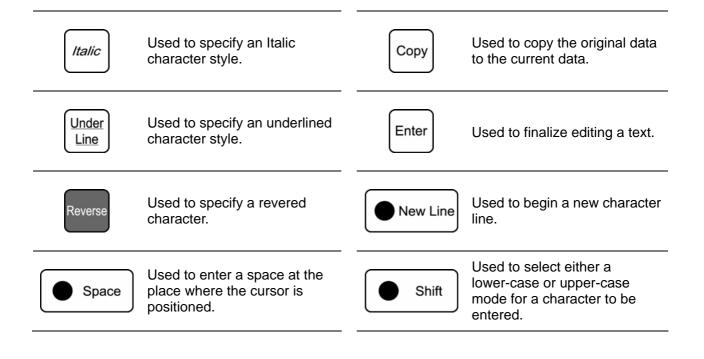
A.1 OPERATION PANEL AND KEY FUNCTIONS

Operation Panel

										Mode	Size	Under Line	Italic	Normal	Bold
										PgUp	Start	Reverse	Back Space	Char Delete	Line Delete
										PgDn	End	←	\rightarrow	→0← Zero	↔T Tare
											(Feed	7	8	9	
										▼ ESC	С	4	5	6	O Print
										230	0	1	2	3	PLU
€	Q	W	E	R	Т	Υ	U	Ι	0	Р	,	#	\$	% @	*
Lower Case	Α	S	D	F	G	н	J	к	L	;	·	Edit	()	",	!
	Shift	Z	X	С	V	В	Ν	М	•	Space	N e	ew Line	Сору	Insert	Enter

Keys for Text Editing

Back Space Used to delete a character by moving the cursor back by one character.	Size Used to select a font size for a text displayed on the screen.
Char Delete Used to delete a character at the place where the cursor is positioned.	$\begin{array}{c} \text{Insert} \\ \text{Insert} \\ \end{array} \begin{array}{c} \text{Used to insert a character, or} \\ \text{select characters followed by} \\ \text{depressions of the } [\rightarrow] \text{ or } [\leftarrow] \\ \text{key.} \end{array}$
Line Delete Used to delete a line text.	→ Used to move the cursor to right. Also used to select characters for changing the style.
Normal Used to specify a normal character style.	Used to move the cursor to left. Also used to select characters for changing the style.
Bold Used to specify a bold character style.	Lower Case Used to select either lower-case or upper-case character mode for a text to be entered.



A.2 NORMAL CHARACTER REGISTRATION

- **1.** Confirm that the text edit screen is displayed.
 - Select a desired character size by using the [Size] key on the key sheet.

ITEM DET/	AIL(ITEM	NAME E	DIT)		JUN-14-2007(THU) 23:07				
_								Ł	
Q	M E	R	T	Υ			0	P	
	s D	F	G	н		к	L		
	z X	C		В		м	,		
N0.	CHAR REMAIN 000 5119		STYLE /	E FONT 30x15/30x15		INPUT			

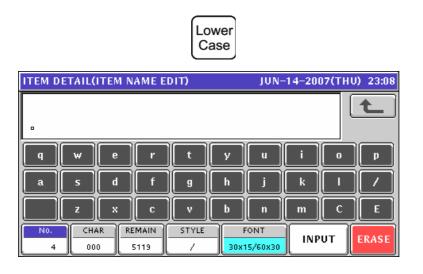


The selected size is displayed in the "FONT" display field.

ITEM DE	TAIL(IT	EM NA	ME EI	DIT)		JUN-14-2007(THU) 23:08				
									ſ	
Q	w [E	R	Т	Y	U		0	P	
	s	D	F	G	н		к	L		
	z	x	с		в	N	м	,		
No. 4	CHAR REMAIN 000 5119		STYLE /		ONT 15/56x28	INP	INPUT ERASE			

2. Press the [Lower Case] key on the key sheet to select whether to use upper-case characters or lower-case characters.

ITEM DE	TAIL(I	TEM N	AME EI	DIT)	JUN-14-2007(THU) 23:08				
_									٢
Q	w	E	R	Т	V	U		0	P
A	s	D	F	G	н		К	L	
	z	x	с		B		M	,	
No. 4	CHA 000		MAIN 119	STYLE /		FONT 15/60x30	INP	υт	ERASE



3. Enter desired characters using alpha-numeric keys on the key sheet or the screen.

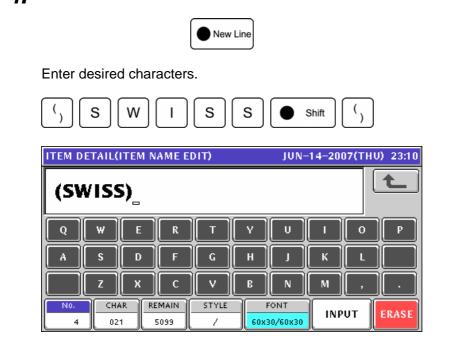
GOUDA	Space C H	EE	SE
-------	-----------	----	----

Upper-c	ase c	chara	cters	i							
ITEM DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23:											
GOI	UD/	A C	HE				t				
Q	w [E	R	T	Υ	U		0 P			
	s	D	F	G	н		к				
	z	x	с		B		м				
No. 4	CHAR 012		MAIN 107	STYLE /		ONT 80/60x30	INP	UT			

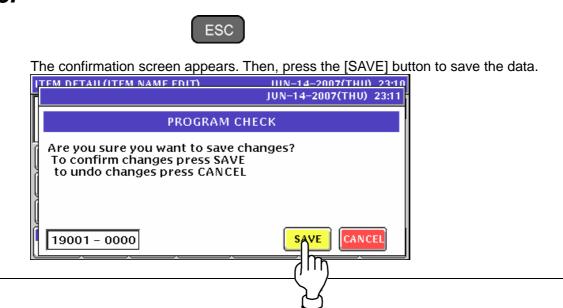
Lower-case characters

ITEM DI	TEM DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23									
go	uda	ch	ees	e_					٢	
q	w	e	r		У	u	i	0	Þ	
a	s	d	f	9	h	j	k			
	z	×	C		b	n	m	С	E	
N0,	CHA 01		MAIN 107	STYLE /		FONT 30/60x30	INP	UT	ERASE	

4 To change to a new line, press the [New Line] key on the key sheet.



5. To finalize the editing, press the [ESC] key on the key sheet.



A.3 SPECIAL CHARACTER REGISTRATION

1. Confirm that the text edit screen is displayed.

ITEM DE	TAIL(IT	iem na	ME E		JUN-	14-200) 7(THU) 23:12	
								ſ	
		- 10							
Q	<u> </u>	E	R		Ľ	<u> </u>		0	<u>Р</u>
A	s [[D	F	G	н	L	к	L	
	z	x	с		В		м	,	
N0.	CHAR	REM	1AIN	STYLE	F	ONT	INP		ERASE
4	000	5	119	1	30x1	5/30x15			ERASE

2. To select a desired character style using the following keys.



The selected style is displayed in the "STYLE" display field.

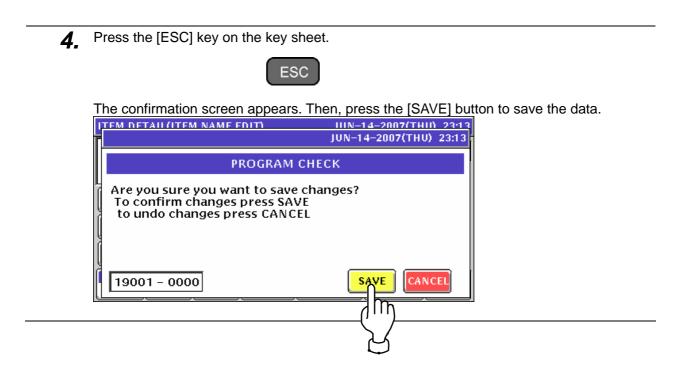
EXAMPLE

Select reversed characters.									
ITEM DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23:12									
QWEI	i T	Y U	1 0 P						
		н	K L						
		BN	M , .						
No. CHAR REMAIL 4 000 5119	N STYLE B / R	FONT 30x15/30x15	INPUT ERASE						

3. Enter desired characters using alpha-numeric keys on the key sheet or the screen.

GOUD	A Space	CHEES
ITEM DETAIL(ITEM NAME E	DIT) JUN-14	4-2007(THU) 23:13
GOUDAICHE		t
QWER	TYU	I O P
ASDF	СНЈ	K
ZXC	V B N	м,.
No. CHAR REMAIN 4 013 5107	STYLE FONT B / R 30x15/30x15	

Е



A.4 LINE DELETION

1. Confirm that the text edit screen for a desired PLU is displayed.

ITEM D	M DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 2:									
GO	DUD	A C	HEE	ESE				t		
Q	W	E	R	Т	Y	U		0 P		
A	s	D	F	G	н		К	L		
	Z	X	С	v	B		м			
No.	CH/ 01		MAIN 107	STYLE /		FONT 15/30x15	INP	UT		

2. To delete the character line, press the [Line Delete] key on the key sheet.

Line
Delete

ITEM DETAIL(I	TEM NA	ME EC		JUN-	14-200	17(THU) 23:18	
] [Ł
•								
	E	R	ГТ	V	U			Р
A S	D	F	G	н	L	к	L	
	x	с		B		м	,	
No. CHA			STYLE		ONT	INP	ит 📗	ERASE
	51	19		30x1	5/30x15			

3. Press the [ESC] key on the key sheet.



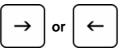
The confirmation screen appears. Then, press the [SAVE] button to save the data.

ITEM DETAIL (ITEM NAME EDIT)	UIN-14-2007(THU) 23:18 JUN-14-2007(THU) 23:18
PROGRAM (СНЕСК
Are you sure you want to save To confirm changes press SAV to undo changes press CANCE	E
19001 - 0000	
	Y

A.5 CHARACTER DELETION

1. To Make a correction for a misspelled word, move the cursor to a place where misspelling is made by using the $[\rightarrow]$ or $[\leftarrow]$ key.

EXAMPLE "GA	$UDA" \rightarrow$	"GOUD	A"	
ITEM DETAIL(ITEM	NAME EDI	T)	JUN-	14-2007(THU) 23:21
GAUDA	CHEES	SE		٤
QWE	R	T V	/ U	1 0 P
ASD	F	G		K L
ZX		V F		M , .
No. CHAR 4 012	REMAIN 5107	STYLE /	FONT 30x15/30x15	INPUT

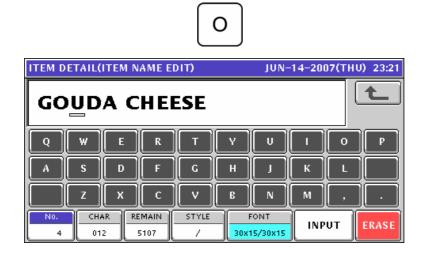


ITEM DE	TAIL(I	TAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23:								
GAUDA CHEESE										
Q	w	E	R		Y			0	P	
A	s	D	F	G	н		К	L		
	z	х	С		B		м	,		
No. 4	CHA 012		MAIN 107	STYLE /		FONT 15/30x15	INP	UT	ERASE	

2. Press the [Character Delete] key on the key sheet to delete the misspelled character.

Char Delete									
ITEM D	ITEM DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23:21								
GU	GUDA CHEESE								
Q	W	E	R	Т	Y	U		0	P
A	s	D	F	G	н		К	L	
	Z	x	С		В		M	,	
No.	CHA 01		MAIN 5108	STYLE /		FONT 15/30x15	INP	υт	ERASE

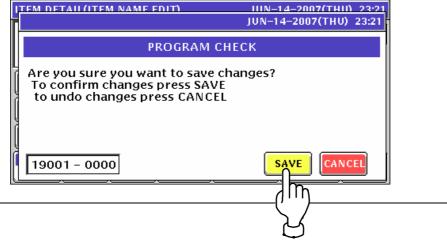
3. Enter the correct character using the alpha-numeric keys.



4. Press the [ESC] key on the key sheet.



The confirmation screen appears. Then, press the [SAVE] button to save the data.



A.6 CHARACTER BACKSPACING

1. To delete a wrong character that was just entered, press the [Back Space] key on the key sheet to move the cursor back by one character.

EXAMPLE "E" \rightarrow "A"										
ITEM D	ITEM DETAIL(ITEM NAME EDIT) JUN-14-2007(THU) 23:									
GO	UD	E							t	
Q	W	E	R		Υ	U	-	0	P	
A	s	D	F	G	H		К	L		
	z	X	С		В		м	,		
No.	CHA 009		MAIN 114	STYLE /		FONT 15/30x15	INP	UT	ERASE	



ITEM D	ETAIL(ITEM N	AME E	DIT)	JUN-14-2007(THU) 23:23				
GOUD									
Q	W	E	R	T	V	U		0	P
A	s	D	F	G	н		К	L	
	Z	x	С		В		M	,	
N0.	СH/ 00		MAIN 5115	STYLE /		FONT 15/30x15	INP	UT	ERASE

2. Enter a correct character.



ITEM D	ETAIL(ITEM N	AME E		JUN-14-2007(THU) 23:23				
GO	UD	A _						t	
Q	W	E	R	T	V	U		0 P	
A	s	D	F	G	н		к		
	Z	X	С		B		м		
N0,	CH4 00		MAIN 5114	STYLE		FONT 15/30x15	INP	UT	

3. Complete the text.

ITEM D	ETAIL(ITEM N	AME E		JUN-	14-200)7(TH	U) 23:23	
GO	GOUDA CHEESE								
Q	W	E	R	T	Y	U	•	0	P
A	s	D	F	G	н	L	к	L	
	z	X	С		B		м	,	
N0.	СНА 012		MAIN 107	STYLE /		FONT 15/30x15	INP	UΤ	ERASE

4. Press the [ESC] key on the key sheet.



The confirmation screen appears. Then, press the [SAVE] button to save the data.

I,	TEM DETAIL (ITEM NAME EDIT)	HIN-14-2007(THIN 23:23
П		JUN-14-2007(THU) 23:23
ľ	PROGRAM CHE	СК
	Are you sure you want to save cha To confirm changes press SAVE to undo changes press CANCEL	inges?
	19001 - 0000	SAVE



Design and specifications are subject to change without notice.

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