



IP-Ai-P Preventive Maintenance Guide

The following information is provided by Rice Lake Weighing Systems to assist Authorized Service Offices performing preventive maintenance on Rice Lake Weighing Systems Wrapping and weighing equipment in Costco Wholesale Warehouses

Ishida IP-Ai-P Preventative Maintenance Guide

Inspection Date:	Overall Condition: Good / Fair / Poor
Service Company:	Serial Number:
Technician(s):	Costco Store Number:
Head Usage Distance:	Bakery Manager Signature:

This IP-Ai-P Preventative Maintenance Guide is divided into three intervals - **DAILY, 6-MONTH, YEARLY**. The DAILY maintenance is generally the responsibility of the end-user. It is recommended that the servicing technician review these daily maintenance checks with the appropriate manager, especially if it is evident these checks are not being performed properly.

Pages 1-4 should be printed, filled, scanned and returned to RLWS along with photographic documentation of all issues such as: user abuse, water damage/corrosion, premature failures, etc.).

** Allow 30 minutes for a 6-MONTH inspection and 45 minutes for a YEARLY inspection. **

	Sections		Sections		Sections
1	SCREEN DISPLAY	4	DATA BACKUP	7	REFERENCE DRAWINGS
2	KEYBOARD ASSEMBLY	5	ADJUSTMENTS, PARTS		
3	PRINTER	6	SAMPLE LABELS		

Required materials:

- | | |
|---|---|
| <ul style="list-style-type: none"> • Socket set, metric (optional) • Screwdrivers, assorted • Allen wrench set, metric • Wrench set, metric • Clean, lint-free rags • Compressed Air / Vacuum | <ul style="list-style-type: none"> • Isopropyl Alcohol • Adhesive remover (for labels) • Thermal head cleaning kit • Machinist Ruler • USB flash drive (8 GB or smaller, FAT32 format, USB 3.0) • White Grease RLWS PN 77933 or CRC SL35600 |
|---|---|

The parts listed in the Check Points and Replacement Parts columns on pages 2~3 are identified by a drawing number and part number. The drawing number refers to the parts drawings on pages 5~10. For example, in section 1: “Screen Display” on page 2, the LCD display is identified as #504, p/n 159278. This refers to #504 on the “Screen Display” drawing on page 6.

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	Section	Check Points	Comments	Tool/Grease/ Program	Replacement Parts	Check			✓
						D	6 mo	Y	
1	SCREEN DISPLAY	Contrast LCD Display (#504) P-1102 Display Control Bd (#501)	Verify brightness of the display. Replace Invertor or Display as needed.	Adjust Menu, Display Check	158278 (#504) 171882 (#501)		X	X	
		Touchscreen operation - Touch Panel (#503) - Sheet (#4)	Confirm accuracy. Calibrate or replace as needed.	Adjust Menu, Touch Screen	171883 (#503) 171880 (#4)		X	X	
		Touchscreen cleaning	Clean touchscreen display	Cloth		X	X	X	
2	KEYBOARD ASSEMBLY	Keyboard - Keyboard Assy (#100)	Confirm all keys function and show as dark squares	Adjust Menu, Key Check	171884 (#100)			X	
		Keyboard Transparent Cover - Cover 10 Key (Keyboard #Not shown)	Clean keyboard cover. Replace as needed.	Cloth	187336 (#Not shown)		X	X	
3	PRINTER	Printing Quality - Print Head (Printer Head Unit: #7)	Verify print is complete and legible. Clean print head.	Adjust Menu, Printer, Head tab, Test Print: Checker. Cloth Isopropyl alcohol	171875 (Printer Head Unit #7)		X	X	
		Label Feeding - Print Roller (Printer Cassette #9 and #10)	Check if printing expands or contracts. Check and clean print roller. Check for cuts. Remove paper dust.	Cloth Isopropyl alcohol Vacuum	175001 (Printer Cassette #9) 175002 (Printer Cassette #10)		X	X	
		Label Gap sensor - Gap Sensor Assy (Printer Cassette #100)	Check that sensor readings are normal (baseline near 60, spike near 160). Clean, calibrate, or replace sensors and prism as needed.	Adjust Menu, Printer, Label Feed tab	175007 (#100)		X	X	

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	Section	Check Points	Comments	Tool/Grease/ Program	Replacement Parts	Check			□
						D	6 mo	Y	
3	PRINTER (CONT)	Peel Sensor Photo Interrupter Reflect (Keyboard #102)	Check that sensor readings are normal (255 when blocked). Clean, calibrate, or replace sensors as needed.	Adjust Menu, Printer, Peel Sensor tab	175000 (#102)		X	X	
		Drive Gears - Gear Idler 25 (Printer Cassette #26) - Gear Flat (Printer Cassette #27) - Gear Flat (Printer Cassette #28)	Clean debris and old grease, apply new grease. Examine gears for cracks or chips.	White grease	187354 (#26) 187355 (#27) 187356 (#28)			X	
		Home position - Catch Ball (Printer Cassette Unit #52)	Inspect catch ball for wear. Verify that it holds and printer drive gears mesh well at home position. Verify that the Head Up Sensor tips while closed.		175006 (#52)			X	
		Head Up Sensor - Sensor Assembly (Main Body Frame #101)	Remove left side cover; clean and inspect. Test and verify that the sensor trips in conjunction with the Catch Ball referred to under "Home Position".		174983 (#101)			X	
4	DATA BACKUP		All file backup: Insert a blank USB stick of 8 gig or less, into the access hatch on the upper left side. Create and name a backup location under "**OUTPUT SELECT"	Setup Menu, File Save/Load, Scale >USB tab, *Output Select, Exec, All Sel, Exec, Exec. Also possible with SLP-5.			X	X	

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5. ADJUSTMENTS, COMMENTS, PARTS REQUIRED, ETC.

Section	Inspection Items and Contents	Comments	Replacement Parts

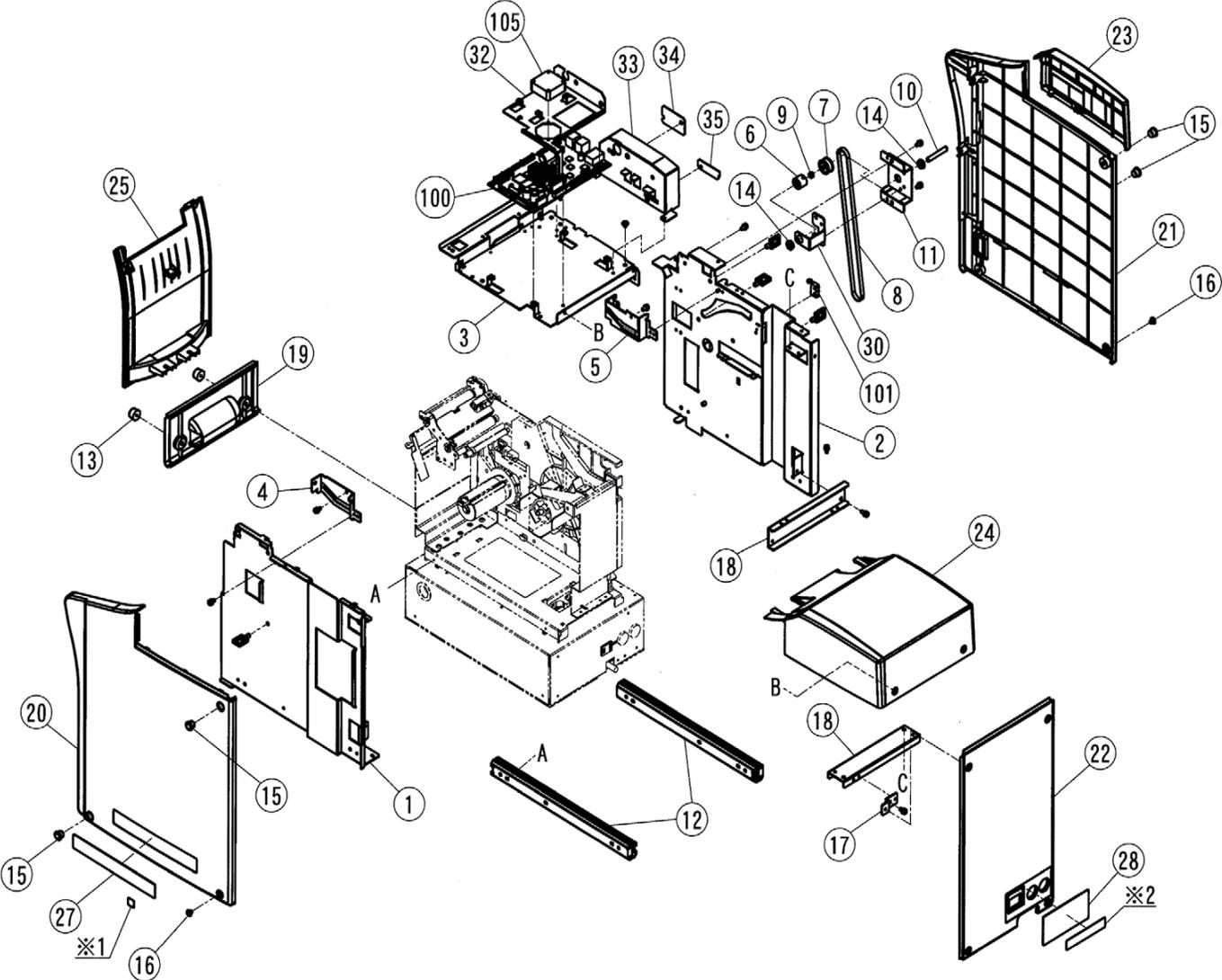
6. SAMPLE LABELS

[SAMPLE LABEL]

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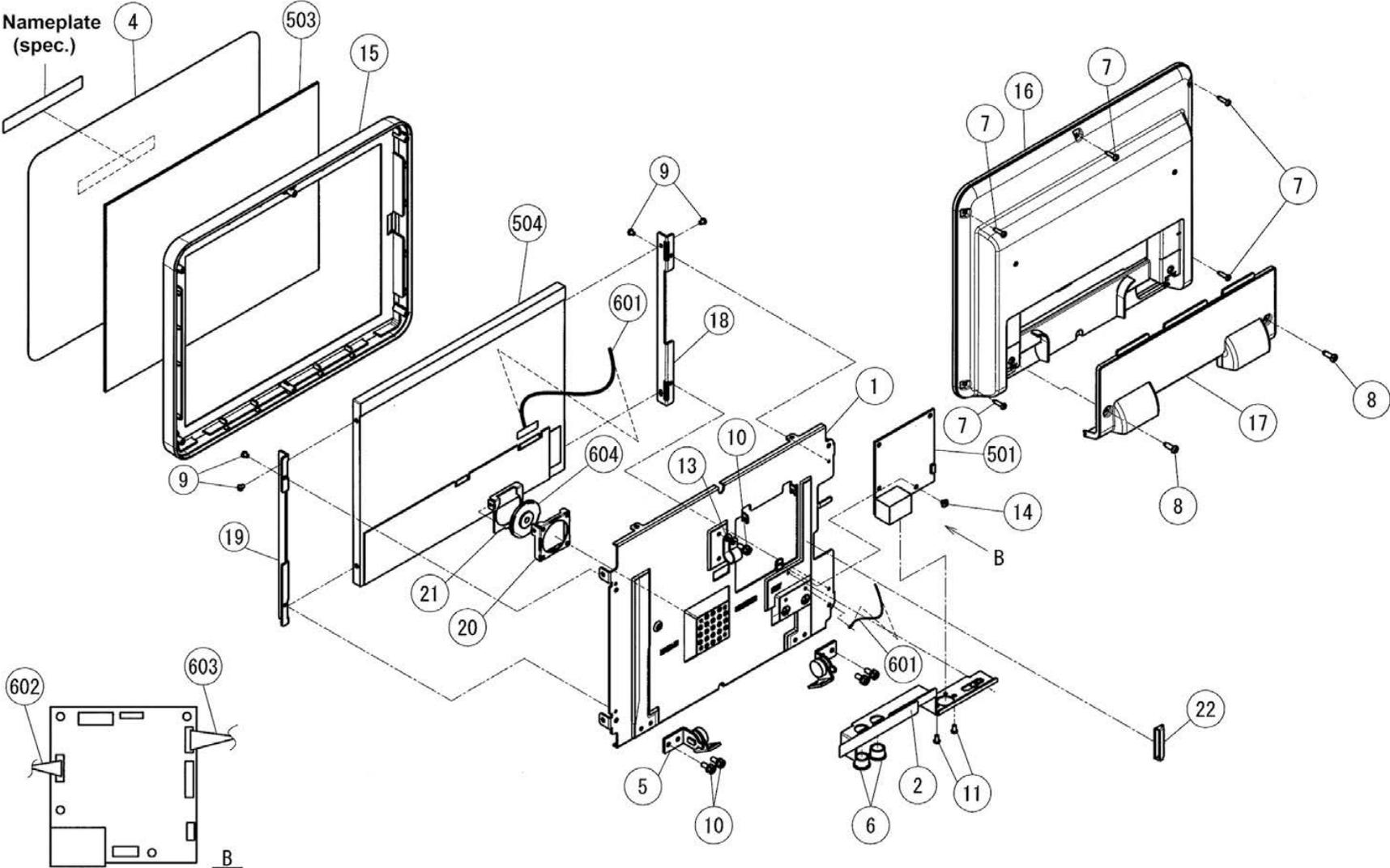
7. REFERENCE DRAWINGS

MAIN BODY FRAME UNIT



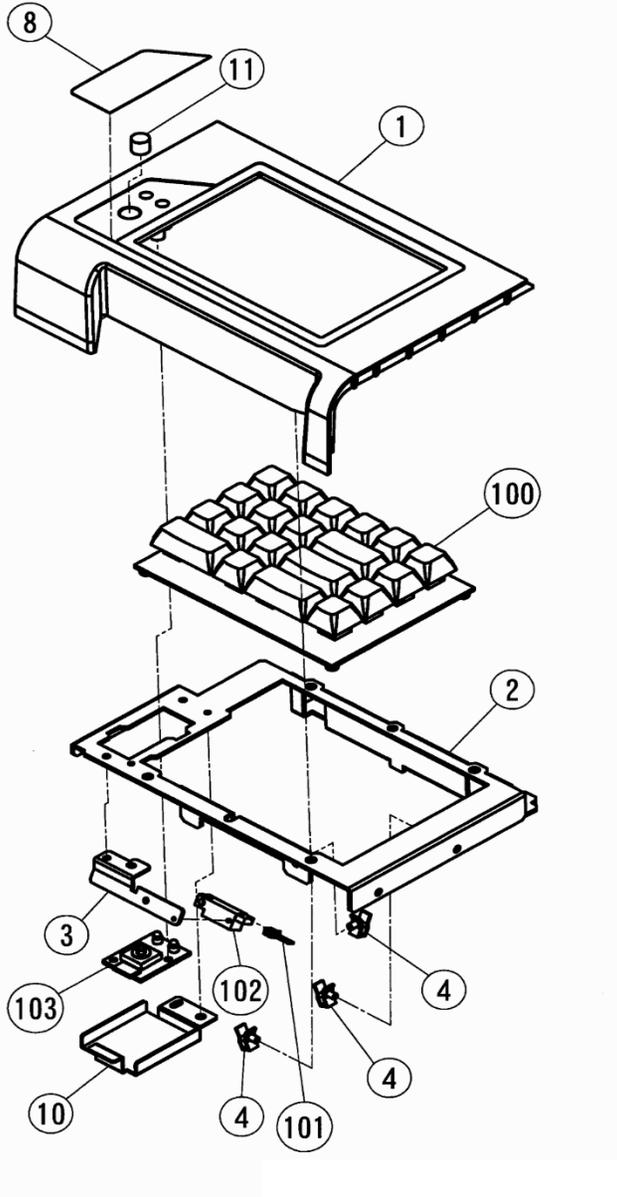
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SCREEN DISPLAY (Section 1)



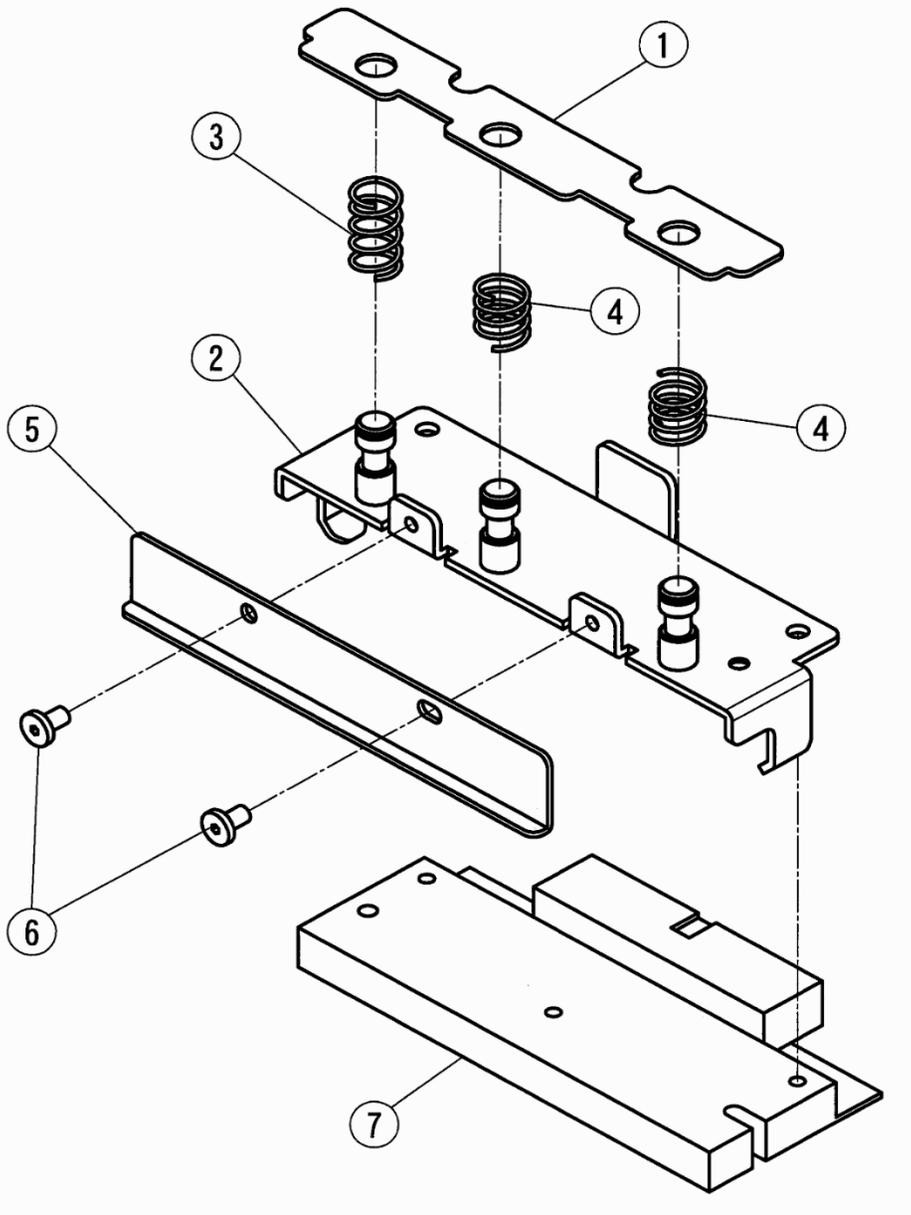
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KEYBOARD ASSEMBLY (Section 2)



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PRINTER HEAD UNIT (Section 3)



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PRINTER CASSETTE (Section 3)

