Ishida OMNi-4000 Automatic Wrapper
Error Codes and Troubleshooting Guide

Revised: February 2015

15.1 ERROR CODE (0100 -)

No.	Message	Symptom or Phenomenon	Response or Check
0101	"SYSTEM MALFUNCTION"	Does not occur during normal operation.	Restore power. P-910 or program CF
0102	"SEQUENCE MALFUNCTION"	The peripheral devices are controlled by assigning each cycle a sequence number. These are inconsistent.	Restore power. Does not occur during normal operation.
0103	"IRREGULAR PRINTER NO."	Attempting to send a message to a non-existent printer.	Restore power. Does not occur during normal operation.
0104	"NETWORK IS RE-SETTING"	Network settings have been lost. Restarts automatically	The device will automatically restart. Please wait a moment.
0105	"MEMORY INITIALIZATION IS OK"	Can only enter test mode and system mode. Initialization of P-910 memory has not been performed.	Initialize P-910 memory in test mode.
0106	"BATTERY IS DEFECTIVE"	Can only enter test mode and system mode. P-910 battery switch is OFF or burnt out.	1. Confirm switch is in the ON position, switch ON. 2. If the battery is ON, the battery is exhausted. Replace P-910 main board.
0107	"TOUCH PANEL ADJUSTMENT IS INCOMPLETE"	Can only enter test mode and system mode.	Perform touch panel adjustment on adjustment screen
0108	"TIME SETTING IS INCOMPLETE"	Can only enter test mode and system mode.	Set clock.
0109	"PRINTER No.S INITIALIZATION IS INCOMPLETE"	Can only enter test mode and system mode. Printer initialization is incomplete.	In test mode, initialize printer unit memory in printer adjustment screen 1/2. (P-909*)
0110	"MACHINE SETTING IS	Can only enter test mode and system mode.	Set model settings in test mode.

15.2 ERROR CODE (0200 -)

No.	Message	Symptom or Phenomenon	Response or Check
0202	"PRODUCT MASTER IS NOT REGISTERED"	PLU No. ** is not programmed. Check PLU No.	Register the PLU on the REGISTRATION menu.
0203	"POP MASTER IS NOT REGISTERED"	POP No. ** is not programmed. Delete ?	Register POP on the REGISTRATION menu. If auto updating for POP No. is set to "NO", it can not be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0204	"ORIGIN MASTER IS NOT REGISTERED"	Country of Origin No. is not programmed. Delete?	Register the country of origin on REGISTRATION menu. If auto updating for Country of Origin No. is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0205	"EXTRA MSG 1 MASTER IS NOT REGISTERED";	Ingredient No. ** is not programmed. Delete?	Register ingredients on REGISTRATION menu. If auto updating for Ingredient No. is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0206	"EXTRA MSG 3 MASTER IS NOT REGISTERED"	Storage method No.** is not programmed. Delete?	Register the storage method on REGISTRATION menu. If auto updating for Storage Method No. is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0207	"EXTRA MSG 2 MASTER IS NOT REGISTERED"	Storage temperature No.** is not programmed. Delete?	Register the storage temperature on REGISTRATION menu. If auto updating for Storage Temp. No. is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0208	"IMAGE NO. 1 MASTER IS NOT REGISTERED"	Image No.1** is not programmed. Check Image No.1**.	If auto updating for Image No.1 is set to "NO", it cannot be deleted even if EXECUTE is pressed.
0209	"IMAGE NO. 2 MASTER IS NOT REGISTERED"	Image No.2** is not programmed. Check Image No.2**.	If auto updating for Image No.2 is set to "NO", it cannot be deleted even if EXECUTE is pressed.
0210	"TRAY MASTER IS NOT	Tray No.** is not programmed.	Check Tray No.
0212	" IS NOT REGISTERED"	** is not programmed. Delete?	Register FREE MASTER 1 on REGISTRATION menu. If auto updating for Free Master 1 is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting. Free Master name must be careful as it can be changed at "FREE MASTER NAME SETTING" in system mode.
0213	" IS NOT REGISTERED"	** is not programmed. Delete?	Register Free Master 2 on REGISTRATION menu. If auto updating for Free Master 2 is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting. Free Master name must be careful as it can be changed at "FREE MASTER NAME SETTING" in system mode.

15.2 ERROR CODE (0200 -)

No.	Message	Symptom or Phenomenon	Response or Check
0214	" IS NOT REGISTERED"	** is not programmed. Delete?	Register Free Master 3 on REGISTRATION menu. If auto updating for Free Master 3 is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting. Free Master name must be careful as it can be changed at "FREE MASTER NAME SETTING" in system mode.
0215	" IS NOT REGISTERED"	** is not programmed. Delete?	Register Free Master 4 on REGISTRATION menu. If auto updating for Free Master 4 is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting. Free Master name must be careful as it can be changed at "FREE MASTER NAME SETTING" in system mode.
0216	" IS NOT REGISTERED"	** is not programmed. Delete?	Register Free Master 5 on REGISTRATION menu. If auto updating for Free Master 5 is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting. Free Master name must be careful as it can be changed at "FREE MASTER NAME SETTING" in system mode.
0219	"STORE MASTER IS NOT REGISTERED"	STORE MASTER No.** is not programmed. Check Store Master.	Register STORE MASTER on REGISTRATION menu.
0220	"PLU LINK MASTER IS NOT REGISTERED"	PLU does not exist in the memory.	Recall the correct PLU. Program the PLU Number as needed.
0221	"EXCEEDED MAXIMUM TARE WEIGHT (9.995 lb)"	"EXCEEDED MAXIMUM TARE WEIGHT (9.995 lb)"	Check and reset the tare weight. Check the weight value by the weight. Upon release of error, tare weight is cleared.
0222	"TARE WEIGHT IS SET AT 0"	Tare weight is not set yet.	Set the tare weight. If "tare no setting error" is set to "not display"(in setting mode, error menu), it will not appear as error.
0223	"COMMENT MASTER IS NOT REGISTERED"	COMMENT MASTER No.** is not programmed. Delete?	Register COMMENT MASTER on REGISTRATION menu. If auto updating for comment is set to "NO", it cannot be deleted even if EXECUTE is pressed. Error display "YES/NO" can be changed by LINK MASTER error setting.
0224	"LABEL MASTER IS NOT REGISTERED"	Check LABEL SETTING MASTER No.	Check the label setting in system mode. No.[***] is newly registered as the default, press EXECUTE key.
0225	"LABEL FORMAT IS NOT REGISTERED"	LABEL FORMAT No.** is not programmed.	The format of label format No. is not registered. Set the format or check the format No. on ITEM MASTER.
0226	"INTERNAL TOTAL MEMORY IS INSUFFICIENT"	New data can no longer be stored.	Number of data is over the maximum 4000 items (commodity name, 30 characters average). Delete unnecessary data and register new data. If unable to delete, clear RAM as the RAM area is damaged, or main board is faulty (P-910H-2) (Data is faulty).

15.2 ERROR CODE (0200 -)

No.	Message	Symptom or Phenomenon	Response or Check
0227	"INTERNAL TOTAL MEMORY IS FULL"	Preceding total is not added.	Clear the total. RAM clear or faulty main board （P-910H-2：097-5687-**）（Faulty data）
0228	"CHECK MEMORY CARD"	Memory card is not inserted.	Check memory card or CF (adapter).
0229	"IRREGULAR FILE SYSTEM"	Error on internal file. Sub error shows the detail of internal error.	It is necessary to check the content (sub error) of file and to set up again.
0230	"TRAY WRAPPING IMAGE IS NOT REGISTERED"	Image of package ** is not programmed	Image of package must be registered.
0231	"THE MEMORY OF CF CARD IS INSUFFICIENT"	Additional data can no longer be stored.	CF capacity is at the limit or CF is faulty.

15.3 ERROR CODE (0300 -)

No.	Message	Symptom or Phenomenon	Response or Check
0301	"THE EMERGENCY STOP SWITCH IS PRESSED"	The emergency stop switch is blinking red on the wrapping unit display.	Release emergency stop switch.
0302	"THE EMERGENCY STOP SWITCH IS NOT PRESSED"	This occurs when the emergency stop switch is not pressed.	Press the emergency stop switch.
0303	"THE FRONT COVER IS OPEN	Occurs when the front cover is open before operation.	Close the front cover
0304	"RIGHT SIDE COVER IS OPEN" "THE INFEED LOWER COVER IS	This occurs when the Infeed lower unit cover is open before operation.	Close the Infeed lower cover.
0305	LOWER INFEED DOOR IS OPEN	Occurs when the Infeed unit is open before	Set the Infeed unit.
0306	"RIGHT SIDE FILM REMOVAL DOOR IS OPEN"	Occurs when the right side film removal cover is open before operation.	Close right side film removal door.
0307	"LEFT SIDE FILM REMOVAL DOOR IS OPEN"	Occurs when the left side film removal cover is open before operation.	Close left side film removal door.
0308	RIGHT SIDE FILM LOADING DOOR IS OPEN	Occurs when the right film replacement cover is open before operation.	Close right film replacement door.
0309	"LEFT SIDE FILM EXCHANGE DOOR IS OPEN"	Occurs when the left side film replacement cover is open before operation.	Close left side film replacement door.
0310	"LEFT SIDE COVER IS OPEN" "THE OUTFEED HAS PULLED UP"	Occurs when the outfeed unit is pushed up before operation.	Lower outfeed unit.
0312	"EXTRA LABELS REMAIN"	Label remains in the printer when operation started. Separated by Bit. Bit0 : Printer no. 1 (-0001) Bit1 : Printer no. 2 Bit2 : Printer no. 3 Bit3 : Printer no. 4 Bit7 : Applicator (-0128) Bit11 : Product in the wrapper (-2048?)	Remove the label according to the sub-error. 1. 0312-0128: Remove label remaining on the Applicator when ready to pick the next label.
0313	"THE PRINTER THERMAL HEAD IS IN UP POSITION"	Set thermal head	1. Press the [OK] button after latching down the thermal head. 2. Check the alignment of the thermal "head up" proximity sensor switch (green). 3. Replace the thermal "head up" proximity sensor switch (green). **NOTE**: selecting Wrap Only mode does not bypass this error message
0315	"ITEMS HAVE ACCUMULATED IN STOCK PART"	[OK] button, remove item in stock unit	Confirm that product does not remain in the stock unit. Check capacity detection sensor movement.

15.3 ERROR CODE (0300 -)

No.	Message	Symptom or Phenomenon	Response or Check
0316	REGULAR PRICE"	Numeric key, [OK] button	Confirm and correct markdown price.
0317	"PRICE APIECE IS LOWER THAN REGULAR PRICE"	Numeric key, [OK] button	Set selected price as a bigger difference from the regular price.
0318	"MD UNIT PRICE IS HIGHER THAN REGULAR PRICE"	Numeric key, [OK] button	Set markdown unit price less than the regular unit price.
0319	"THE ORDER QUANTITY HAS BEEN COMPLETED"	Attempted to turn out more than the designated quantity	Press [OK] and continue with the next operation.
0321	"PRICE IS NOT INPUT"	Does not occur when "do not display" is selected for 0 price error	Enter price.
0322	"STARTING POINT RETURN PROCESSING IS DONE"	Starting point return processing is performed by pressing the [RETURN] button. Only when the power supply is first turned ON.	Displayed when the power supply is turned ON and each mechanical position returns to default.
0323	"THE LABEL ISSUE PATTERN IS NOT SET UP"	Perform label issue pattern setting in system mode.	Perform label issue pattern setting.
0324	THE LABEL MASTER IS NOT SET UP	Numeric key, [OK] button	Set label setting master.
0325	"WEIGHT IS OUTSIDE THE SETTING RANGE"	[PRINT] button: print label; error will not occur. [STOP] button: will not check weight until next unit is called. Numeric key: resolves error, but does not resolve weight check.	Adjust weight to within the set range
0326	"THE ORDER QUANTITY HAS BEEN COMPLETED"	Displayed when "End message" is selected in system data settings in system mode	Confirm order quantity.
0327	"IMMEDIATE BEFORE DATA IS DELETED	This screen is displayed when the data value and items in the wrapper become invalid.	Perform return processing by pressing the [RETURN] button.
0339	"MINIMUM VALUE IS LIGHTER THAN FIXED WEIGHT"	[EXECUTE] button: Set fixed weight to the minimum value. [CANCEL] button: Release error.	Set minimum value equal to or larger than the fixed weight. ・Set it so the fixed weight ≦ minimum value
0340	ITEM ELIMINATION WAS PERFORMED	This screen is displayed when the item in the wrapper becomes invalid as a result of item deletion	Press the [RETURN] button to perform return processing.
0341	"ITEMS REMAIN ON THE LIFT"	Press the [PLU] button and remove the item after clearing the error.	Confirm no items remain on the lift. Check the commodity on lift detection sensor.
0342	THE POS CODE DID NOT REGISTERED	Shown when printing is not allowed in the event of a POS code unregistered error in setting mode 2 (error processing selection settings)	Register POS code

15.3 ERROR CODE (0300 -)

No.	Message	Symptom or Phenomenon	Response or Check
0343	THE POS CODE DID NOT REGISTERED	Shown when "no barcode" is set for POS code unregistered error in setting mode 2 (error processing selection settings). This error occurs only when "POS code unregistered error" is set. Labels can be issued, but barcodes will not be printed.	Register POS code

0347	"THE DOT OF A THERMAL HEAD HAS RUN OUT"	Burnt out element(s) on the thermal print head.
		Sub errors
		-0001 : Failed element has no affect on printing.
		-0002 : Failed element in printing area
		-0003 : Failed element is in the bar code.
		
		Note: This error occurs when a PLU is called.
		         See error 0715-000x.
			-0001: No problem for pricing. Will you check the following?
			      EXECUTE button：Check is performed.
			      STOP button：No check is performed.
			-0002: Replace the thermal head.
			      EXECUTE button: Check is performed.
			      STOP button：No check is performed.
			-0003: Bar code cannot be printed properly. Replace the thermal head.
			
			* This error occurs only when "Thermal Head Cut Error Display" (Setup menu, Error Setup) is set as CONSIST or LINE CUT. Disable error message by setting as NONE.

0348	"THE SCALE PLATE HAS SEPARATED"	(-500g) is displayed due to the separation of the scale plate, etc	Check if the scale plate is separated, check weight.
0349	"STORE NO. IS NOT CALLED"	Occurs when call item has been completed but call store no. hasn't been completed and is attempting to change to production during store changeover.	Call the store no.
0350	"TRAY NO. IS NOT REGISTERED"	Numeric entry, [OK] button	Set tray no.
0351	"THE LABEL REMAINS	Remove label, [OK] button	Remove label. Check label sensor.
0353	"MEMO PRESET IS ALREADY REGISTERED	The already preset part is shown blinking after the error is canceled.	Operation has become redundant.
0355	"TRAY NO. IS NOT REGISTERED"	Numeric keys, [OK] button	Register in the tray master.
0356	"NO CF CARD"	[OK] button	Insert CF card.
0357	"THERE IS NO DICTIONARY FILE"	[OK] button	Put dictionary file on the CF card.
0358	"THE CONNECTION SETUP IS NOT DONE"	Numeric keys, [OK] button	Connect journal printer.

15.3 ERROR CODE (0300 -)

No.	Message	Symptom or Phenomenon	Response or Check
0359	"THERE IS NO WORD FILE"	[OK] button	Put word file on the CF card.
0360	"THE TENSION ADJUSTMENT IS CHANGED"	*Film Tension adjustment data is changed in normal mode. *Is tension adjustment data repealed? [EXECUTE] DISABLED. [CANCEL] ENABLED. [INFEED] REGISTER TO TRAY MASTER.	
0361	THE POWER SUPPLY WAS SWITCHED ON	This error records the power is applied to the error log.	This error number records the power being applied to the error log.
0362	THE MODEL SETUP IS NOT COMPLETED	Can only enter test mode and system mode.	Set model settings in test mode.
0368	"ITEMS REMAIN IN THE WRAPPER"	The front cover was opened when the wrapper stopped and items remained on the lift.	To close the cover, press the [PLU] key to discharge the item. Added to the total amount.

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0401	THE WRAPPER IS NOT CONNECTED	No 24VDC from wrapper power supply. No red status LEDs on sensors. Cannot clear error message.	The console～Wrapper(P-857) connector/harness Check P-857(F1, F2)Check Rear Fuse Panel(F15, F16)Check P-910/P-918/P-857/24V Power Supply Err（Wrapper）/Err	1101
			Communication is not possible between boards P-910 ->P-918 ->P-920. [Response] Press the [Re-try] key to re-attempt communication.. If an error re-occurs, check the list below for probable causes. 1）Connector removed 2）Burned out harness 3）Board P-910 is faulty 4）Board P-918 is faulty 5）Board P-857 is faulty This error can also occur when there is a closed circuit failure in the RS-485 line P-915 and P-916. Check this if this is not repaired by steps 1 through 5. Connect P-916, and P-857 one by one and look for a closed circuit failure.	1102
0402	THERE WAS NO RESPONSE FROM WRAPPER	No 24VDC from wrapper power supply. No red status LEDs on sensors. Cannot clear error message.	The console～Wrapper(P-857) connector/harness Check P-857(F1, F2)Check Rear Fuse Panel(F15, F16)Check P-910/P-918/P-857/24V Power Supply Err （Wrapper）/Err	1101
			Communication is not possible between boards P-910 ->P-918 ->P-920. [Response] Press the [Re-try] key to re-attempt communication.. If an error re-occurs, check the list below for probable causes. 1）Connector removed 2）Burned out harness 3）Board P-910 is faulty 4）Board P-918 is faulty 5）Board P-857 is faulty This error can also occur when there is a closed circuit failure in the RS-485 line P-915 and P-916. Check this if this is not repaired by steps 1 through 5. Connect P-916, and P-857 one by one and look for a closed circuit failure.	1102
0403	THE PROBLEM AROSE IN WRAPPER	Send command and receive command do not match The command sent to P-857 by P-910 and the command that returned from P-857 do not match.	This does not occur during normal operation, but it is believed to occur from the effect of noise. Cancel by restoring power.	1101
0406	THE WRAPPER DETECTED THE INSTANT POWER FAILURE	Board P-857 was reset twice	Restore power. If the error re-occurs, check the list below for probable causes. 1）Power to the power unit (AC 200V) is unstable 2）Check the power unit output voltage (DC 24V)　Power unit placement	1101
0407	THE INSTANT POWER FAILURE OCCURRED BY THE CONSOLE	Board P-857 was reset twice	Restore power. If the error re-occurs, check the list below for probable causes. 1）Power to the power unit (AC 200V) is unstable 2）Check the power unit output voltage (DC 24V)　Power unit placement	1101
0409	THERE WAS NO RESPONSE FROM WRAPPER	P-910<- P-918<- P-857 (P-857 is not responding)	Rear panel fuses: F15, F16 (250V, 3A) [No sensor status lights] P-857 CPU board fuses: F1 (3A), F2 (1A) No 24V DC output from P.S. [lower, left]. Check PS fuse: F1 (250V, 12A, ceramic) [No sensor status lights] Remove both XJ-11 and XJ-17 from P-916and check if the same error is displayed. Continue here if the error content changes. Remove the connector (No communication with P-910 and P-857) Harness burn-out (No communication with P-910 and P-857) Board P-857 is faulty Board P-918 is faulty Board P-910 is faulty	1101

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0410	THE LIFT MOTOR ERROR	Lift moves upward. [Recovers after emergency stop button release.] Lift hits on feeder and left/right change motor. Lift does not move. [Recovers after emergency stop button release.]	1. Foreign object caught in the motor. 2. Harness is damaged or short-circuited between P-857 and servo amplifier. 3. Harness is damaged between P-857 and the electromagnetic contactor. 4. Servo amplifier error. 5. Feeder move middle position sensor error (e.g., lift crashes into the feeder (rear)). 6. P-858 (No. A) error	1103
0411	THE RIGHT UP/DOWN MOTOR ERROR	Film Top/Bottom Motor (Right)	1. Foreign object caught in the motor. 2. Film top/bottom motor (right) error. 3. Film top sensor (right) error. 4. Film bottom sensor (right) error. 5. P-858 (No. B) error.	1110-0001
0412	THE LEFT UP/DOWN MOTOR ERROR	Film Top/Bottom Motor (Left)	1. Foreign object caught in the motor. 2. Film top/bottom motor (left) error. 3. Film top sensor (left) error. 4. Film bottom sensor (left) error. 5. P-858 (No. C) error.	1110-0002
0413	THE RIGHT FILM ROLLER DRIVER MOTOR ERROR	Film waiting condition is not good.	1. Foreign object caught in the motor. 2. Feeder motor error. 3. Feeder count sensor error. 4. P-857 error. 5. P-858 (No. B) error.	1114-0001
0414	THE LEFT FILM ROLLER DRIVER MOTOR ERROR	Film waiting condition is not good.	1. Foreign object caught in the motor. 2. Feeder motor error. 3. Feeder count sensor error. 4. P-857 error. 5. P-858 (No. C) error.	1114-0002
0415	THE BACK ~~WIRING~~ WRAPPING MOTOR ERROR	Rear wrap plate does not move.	Rear wrap plate is not at home position.	1104
		Operation error at reset.	Motor brake	
		Rear wrap plate does not move.	Home position photo sensor	
		Rear wrap plate does not move.	Motor	
		Slow-moving.	Wrap plate and arms are not parallel binding.	
		Rear wrap plate moves forward.	Limit photo sensor	
		Rear wrap plate does not move.	Check drive arm linkages for loose or damaged parts.	
		0415-0001: Only when sensor is blocked if cable is damaged/disconnected get error 0001.		
0416	THE LEFT AND RIGHT ~~WRING~~ WRAPPING MOTOR ERROR	Wrap plates do not move	1. Side wrap plates are not at home position. 2. Home position photo sensor 3. Motor	1105
		Partial or slow movement	Check for slipping of drive belt pulleys	
		Action error at reset	Motor brake	
		Wrap plates stopped at the inside position	Count photo sensor	
		Fuse	Rear panel fuses: F2A, F2B (250V, 3A)	

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0417	THE OUTFEED PUSHER MOTOR ERROR	Pusher does not move. "The outfeed pusher motor error"	Rear panel fuses: F2A, F2B (250V, 3A)	1106
			Out of home position. Discharge pusher is not at home position	
			DC driver	
			Optional conveyor overflow. sensor is blocked.	1117
		Pusher does not move. 0417-0001	Front limit photo sensor is blocked	1106
		Pusher does not move. Slow-moving.	1. Check movement for excessive binding or drag. 2. Lubricate pulleys, bearings, and shafts. 3. Speed control	
		Pusher moves forward.	Limit photo sensor	
		Error during wrapping. Printer has moved forward.	Printer home position micro switch	
0418	THE FEEDER MOTOR ERROR	Film is not fed.	Motor	1108
		Film over. Error message appears at film detection is unavailable. Film over sensor does not check if no counts are detected. Film over (with perforation) and 2 inch strip.	Count photo sensor Cutter home position sensor (If DIP SW8 on wrapper CPU board P-859 is set)	
0419	THE RIGHT CLAMP MOTOR ERROR	Switching error (Does not move up and down) (Lever not closed/open/to move)	1. Foreign object is blocking the Film Grab Clamp movement or Clamp is out of alignment. 2. Film grab motor (right) is blocked or faulty. 3. Film grab open sensor (right) error. 4. Film grab close sensor (right) error. 5. P-858 (No. B) error.	1111-0001
0420	THE BACK FEEDER MOVEMENT MOTOR ERROR	The Rear Film Feeder Unit stops at the rear limit	Rear limit photo sensor Film width detection sensor(Located on Film Press Roller assembly)	1107
		The Rear Film Feeder Unit stops at the front limit	Front limit photo sensor	
		The Rear Film Feeder Unit does not move. Or movement is slow or partial	1. Feeder move motor 2. Rear Film Feeder is binding, check the following: a. Film pieces at mounts on two square shafts b. Film pieces at mount on large hex drive shaft (left side) c. Film pieces on two drive belts and pulleys d. Parallel alignment to frame and front Feeder	
0421	INFEED MOTOR ERROR	Conveyor (chain) and Motor moves.	Infeed stop position sensor (right) is not aligned with the sensor reflector (left) -- under the scale platter.	1109
		Conveyor (chain) does not move. (Motor moves.)	1. Check for foreign objects jamming the chains or pusher claws 2. Broken chains 3. ROM, driver	
		Conveyor (Infeed pusher chains) does not move. (Motor does not move.)	1. Check connections between Controller board ["Vexta"] (CN1) <--> solid state Relay (151656 / 103-3823-23) on the rear panel near Safety Contactor. 2. Check Relay contacts operation: solid state Relay (151656 / 103-3823-23) 3. Check connections between P-857 (J22) <--> (CN2) Controller board ["Vexta"] (CN3) <--> Motor 4. Check Motor. 5. Check Controller board ["Vexta"] 6. Check P-857 wrapper CPU board	
0422	THE LEFT CLAMP MOTOR ERROR	Switching error (Does not move up and down) (Lever not closed/open/to move)	1. Foreign object is blocking the Film Grab Clamp movement or Clamp is out of alignment. 2. Film grab motor (left) is blocked or faulty. 3. Film grab open sensor (left) error. 4. Film grab close sensor (left) error. 5. P-858 (No. C) error.	

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0423	THE LIFT CHANGE MOTOR ERROR	Movement when attempting to switch the lift size: Large - Small.	1. The flat bar that moves the rear row's five moveable Lift Fingers is jammed or out of position. Loosen and remove the drive belt that turns the two threaded shafts then turn the one of the threaded shafts manually to align the flat bar parallel to the rear inside cover. 2. Check and replace worn drive belt (two threaded shafts). 3. Check three photo sensors: Front, Center, and Back position. 4. Check replace motor.	1112
		No movement.	1. Rear panel fuses: F24, F25 (250V, 1A) 2. P-858B fuse: F3 (250V, 5A) 3. Motor	
0424	THE OUTFEED CONVEYER MOTOR ERROR	Confirm that the discharge conveyor motor operates smoothly.	Outside conveyor Belt Outside conveyor Motor	1152
0430	THE SERVO CONTROLLER ERROR	0430-0000; Servo Amplifier	1. Harness is damaged or short-circuited between P-857 and servo amplifier. 2. Servo amplifier error. 3. P-857 error.	1116
		0430-0011 ～ 0097	[RETURN] button Refer to separate Servo Driver Error List in Section 15.4a "SERVO CONTROLLER ERROR CODES"	1116
0432	THE LIFT ARRIVED AT THE MAXIMUM LIMIT	Lift Upper Limit Sensor	NOTE: there is no Upper Limit Sensor on the OMNi-4000. 1. Lift upper limit height incorrectly programmed. 2. Lift lower limit height incorrectly programmed. 3. Lift original (home) position height incorrectly programmed. 4. Harness damaged or short-circuited between P-857 and servo amplifier. 5. Servo amplifier error. 6. P-857 error. 7. Lower proximity sensor does not receive a signal from the metal plate on back side of Lift. 8. If error 0432-0000 occurs while configuring a replacement Lift Servo perform the following. If necessary power up the wrapper holding the PLU key to enter the main menu directly. a. Test menu --> Wrapper Setup b. Press LIFTER UP POS. button c. Press LIFT UPPER POS. button --> Lift rises error 0432-0000 occurs d. Turn off main power, after 10 seconds turn on main power e. Test menu --> Wrapper Setup f. Press LIFTER UP POS. button g. Press LIFT UPPER POS. button h. Adjust Upper position as needed g. Adjust Home and Down positions too	1136

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000

0434	A FOREIGN SUBSTANCE IS BIT UNDER LIFT
	
	0434-0000
	   Lift Lower Limit Sensor is activated
	0434-0002
	   Lift Lower Limit Sensor is activated
	   -- or --
	   The Lift Servo Controller has sent
	   an overload error
		Lift Lower Limit Sensor
		Press the [RAISE LIFT] button to raise the Lift.
		NOTE: The Lift moves a small amount for each button push.
			NOTE: there is no Upper Limit Sensor on the OMNi-4000.
			1. Lift Lower Limit Sensor is damaged or disconnected [0434-0002]
			2. Lift Lower Limit Sensor is activated by a metal object [0434-0002]
			3. Lift upper limit height incorrectly programmed.
			4. Lift lower limit height incorrectly programmed.
			5. Lift original (home) position height incorrectly programmed.
			6. Harness damaged or short-circuited between P-857 and servo amplifier.
			7. Servo amplifier error --> replace Servo.
			   The Servo display shows only "--" (E. Stop engaged) or "00" all other times. --> faulty Servo
			   Error 0434-0002 continuously. When the power is switched on, Return is pressed, the Lift rises
			   and 0434-0002 occurs. In Test Mode once the Lift is tested it rises to the top and displays error
			   0434-0002. The Lift goes to the maximum mechanical limit - the collars at the bottom of the Lift
			   shafts touch the bottom of the wrapper body.
			8. P-857 error.
			9. Lower proximity sensor does not receive a signal from the metal plate on back side of Lift.
			10. Check Lift movement. If it is not smooth something may be stuck in the shafts or gears.
			11. Check if something is on top of the Lift preventing it from rising all the way to the top position.
				1137-0002

	0434-0003
	   The Item Sensor (tray check) is
	   blocked when the Lift begins to
	   descend after lifting a tray
		Foreign objects caught between the lower part of the lift and upper part of the tray stopper (item sensor path is interrupted when the lift starts to descend).	1. Foreign objects caught in the machine.
			2. Item sensor sensitivity incorrectly adjusted.
			3. Item sensor error.
			4. P-858 (No. A) error.	

0434	A FOREIGN SUBSTANCE IS BIT UNDER LIFT (continued)	After replacing the Servo the Lift rises past the Upper Position and causes error 0432-0000 "Lift has arrived at the Max Limit"	The settings for the new Lift Servo controller must be configured. (If necessary power up the wrapper holding the PLU key to enter the main menu directly.) a. Select Wrapper Setup in the Test Menu. b. Set the Down Position as "0". c. Set the Home Position as needed – Lift heads should be lower than the Tray Support Bars. d. Select Lift Upper Position. e. The Lift will rise and cause error 0432-0000 "Lift has arrived at the Max Limit". f. Power off the wrapper with the Lift at the Upper position and error displayed. g. Power on the wrapper and return to Wrapper Setup to set the height of the Lift's Upper position. In the normal position the Lift heads should be even with the top of the Rear Wrap Plate.	
0440	THE EMERGENCY STOP SWITCH WAS PUSHED	Emergency stop button is pressed during operation.	1. Emergency stop button is pressed. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the emergency stop button. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and emergency stop button. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Emergency stop button error. 12. Rear Panel fuse(F21, F22, F23)	1123

Yellow highlights indicate updates

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0441	RIGHT SIDE TOP FILM DOOR IS OPEN	Door open during operation	1. Upper-right side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. B). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. B) and the upper-right side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and upper-right side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. B) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Upper-right side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0003
0442	LEFT SIDE TOP FILM DOOR IS OPEN	Door open during operation	1. Upper-left side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the upper-left side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and upper-left side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Upper-left side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0006
0443	RIGHT SIDE DOOR IS OPEN	Door open during operation	1. Right side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. B). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. B) and the right side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and right side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. B) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Right side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0004
0444	LEFT SIDE DOOR IS OPEN	Door open during operation	1. Left side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the left side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and left side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Left side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0007

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0445	THE PRINT DOOR IS OPEN	Door open during operation	1. Printer door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the printer door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and printer door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Printer door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0001
0446	LOWER INFEED DOOR IS OPEN	Door open during operation	1. Lower Infeed door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the lower Infeed door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and lower Infeed door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Lower Infeed door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0002
0447	RIGHT SIDE FILM LOADING DOOR IS OPEN	Door open during operation	1. Front-Right side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. B). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. B) and the front-right side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and front-right side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. B) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Front-right side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0005
0448	DO NOT PUT HAND INTO THE WRAPPER	Foreign object is detected. Note: Sub-error 0000: occurs prior to wrapping operations. Sub-error 0001: occurs after wrapping operations are performed.	1. Contents of the tray are overhanging the front edge of the tray. 2. Infeed Pusher Claws are blocking the sensor - adjust Claws' stop position farther to the front. 3. Foreign object caught in the motor. 4. Sensitivity level of the Infeed conveyor manual insertion Safety sensor is incorrectly adjusted. 5. Infeed conveyor sensor error. 6. P-857 error.	1128
0449	DO NOT PUT HAND INTO THE WRAPPER	-0001: Hand is inserted (Infeed Conveyor)	Hand insertion sensor (Conveyor) 1. Check operation of the two front Safety sensors 2. Check operation of the two Lift sensors **Note:** The two front Safety sensors may be <u>temporarily</u> disabled by setting Wrapper CPU Board P-857 DIP Sw #2 switch 6 = OFF.	1147-0001
		-0002: Hand is inserted (Ejection Pusher)	Hand insertion sensor (Discharge Pusher) 1. Check operation of the Safety sensor below the plastic front Printer door	1147-0002

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0450	LEFT SIDE FILM LOADING DOOR IS OPEN	Door open during operation	1. Front-Left side door is open. 2. Harness is damaged or short-circuited P-857 -> P-858 (No. A) -> P-858 (No. C). 3. Harness damaged between P-857 and electromagnetic contactor. 4. Harness damaged between P-858 (No. C) and the front-left side door. 5. Harness damaged between electromagnetic contactor and thermal relay. 6. Harness damaged between electromagnetic contactor and front-left side door. 7. P-857 error or fuse(F1, F2, F3) 8. P-858 (No. C) error. 9. Electromagnetic contactor error. 10. Thermal relay error. 11. Front-left side door error. 12. Rear Panel fuse(F21, F22, F23)	1150-0008
0460	ITEMS WERE NOT THROWN IN	Tray cannot be fed. Fed about 10 mm. Remove the tray on halfway.	1. They tray did not move onto the lift properly. 2. Feed stops before the normal position. 3. Lift height is too low. 4. Lift height is too high. 5. Tray length is too short. 6. Tray height is too low. 7. Item sensor sensitivity incorrectly adjusted. 8. Item sensor error. 9. P-857 error. 10. P-858 (No. A) error. 11. One chip CPU (on the P-857) error.	1133
0461	FILM OVER AT RIGHT SIDE	Film Over (Left--->Right)	1. Film over error. 2. Film waste detected. 3. Film sensor (front/right) sensitivity incorrectly adjusted. 4. Film sensor (rear/right) sensitivity incorrectly adjusted. 5. Film sensor (front/right) error. 6. Film sensor (rear/right) error. 7. Film count sensor error. 8. Film cutter clutch brake (left) error. 9. Film cutter original position sensor (left) error. 10. P-857 error. 11. P-858 (No. B) error.	1127-0001
0462	FILM OVER AT LEFT SIDE	Film Over (Right--->Left)	1. Film over error. 2. Film waste detected. 3. Film sensor (front/left) sensitivity incorrectly adjusted. 4. Film sensor (rear/left) sensitivity incorrectly adjusted. 5. Film sensor (front/left) error. 6. Film sensor (rear/left) error. 7. Film count sensor error. 8. Film cutter clutch brake (right) error. 9. Film cutter original position sensor (right) error. 10. P-857 error. 11. P-858 (No. C) error.	1127-0002

Yellow highlights indicate updates

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0463	THE RIGHT-HAND SIDE FILM WAS LOST	Film Depleted (Right)	1. End of film. 2. Film taken-in right. 3. Film roller clutch brake (right) error. 4. Film sensor (right/front) sensitivity incorrectly adjusted. 5. Film sensor (right/rear). 6. Film sensor (right/front) error. 7. Film sensor (right/rear) error. 8. P-857 error. 9. P-858 (No. B) error. Note: Film depleted error will not occur when P-857 DIP switch No. 8 (SW1) is set to ON while the power is on. This setting used only when responding to an emergency, normally it is set to OFF.	1119-0001
0464	THE LEFT-HAND SIDE FILM WAS LOST	Film Depleted (Left)	1. End of film. 2. Film taken-in left. 3. Film roller clutch brake (left) error. 4. Film sensor (left/front) sensitivity incorrectly adjusted. 5. Film sensor (left/rear). 6. Film sensor (left/front) error. 7. Film sensor (left/rear) error. 8. P-857 error. 9. P-858 (No. C) error. Note: Film depleted error will not occur when P-857 DIP switch No. 8 (SW1) is set to ON while the power is on. This setting used only when responding to an emergency, normally it is set to OFF.	1119-0002
0471	THE PROBLEM AROSE IN THE WRAPPER	Cannot clear error message. This error occurs when the main 3-phase power drops. If the main transformer output falls below 180 volts AC this error occurs. After power returns to normal levels the wrapper must be powered off and on to restore normal operation.	1. Check that all eight door are closed fully. A partially open door may cause this error. The wrapper will not return to normal operation until all doors are closed. Confirm continuity at in-line connectors **LST** (Left side doors and front Printer door safety interlocks and E. Stop switch) and **RST** (Right side doors and lower Infeed door safety interlocks) 2. Check continuity of the complete Safety Circuit 24 VDC power at the VH in-line connector. This includes LST, RST, the Safety Contactor coil (A1-A2), and the Thermal Relay (95-96) 3. Check the main transformer output voltage level. Acceptable voltage is 200 volts AC +/- 10 volts. 4. Check rear panel fuses: F21, F22, F23 (250V, 4A) [P-858/A/C] 5. Check rear panel fuses: F27, F29 (250V, 4A) [AC Servo Motor] 6. Check P-858/A fuses: F3, F4 (250V, 5A) 7. Check and replace P-858/A Wrapper control board (Left side) 8. Check the connections at the Safety Contactor and verify voltage is passing to fuses F21~F2D.	1153-0000

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0472	THE PROBLEM AROSE IN THE WRAPPER	0000-0255 : P-857-P-858 IONET No Response err 0256-0511 : SERVO CONTROLLER-P857 RS-422 Response err 0512- : Wrapper Communication errors （I2NET Err）	1. Harness damaged or short-circuited between P-857 and servo amplifier. 2. Connection (between P-857 and amplifier) Lower limit Proximity sensor P-857 3. P-858 (No. A) DIP switch incorrectly set. 　No. 1 = ON, No. 2,3,4 = OFF 　P-858 (No. A) error. 4. P-858 (No. B) DIP switch incorrectly set. 　No. 2 = ON, No. 1,3,4 = OFF 　P-858 (No. B) error. 5. P-858 (No. C) DIP switch incorrectly set. 　No. 1,2 = ON, No. 3,4 = OFF 　P-858 (No. C) error. 6. P-857 DIP switch (SW1) incorrectly set. 　With option ON 　Without option OFF 　No. 1 OFF 　No. 2 ON 　No. 3 ON 　No. 4 OFF 　No. 5 Overflow sensor option 　No. 6 ON 　No. 7 OFF 　No. 8 OFF 　P-857 error 7. No Power to the Servo, Real panel fuses: F17, F18 (250V, 3A) [error 0472-0257] 8. P-858/A fuses: F1 (7A), F2 (1A) [error 0472-0033] 9. P-858/B fuses: F1 (7A), F2 (1A) [error 0472-0034] 10. P-858/C fuses: F1 (7A), F2 (1A) [error 0472-0035] 11. Abnormal noise. A FOREIGN SUBSTANCE IS BIT UNDER LIFT 12. A foreign substance is bit under lift	1122
		This error indicates there is no reply from servo amplifier.	1: Servo amplifier defect 2: Harness damaged or short-circuited between P-857 and servo amplifier. 3: P-857 defect 4: Real panel fuses: F17, F18 (250V, 3A) [error 0472-0257]	
0473	THE PROBLEM AROSE AT SEAL HEATER	Pusher does not move.(Wrapper DCB controller error)	1. Check movement for excessive binding or drag. 2. Lubricate pulleys, bearings, and shafts. 3. Ejection pusher motor error. 4. DC brushless controller error. 5. P-857 error.	1117
0474	SOLENOID ERROR(0005)	Separator Solenoid (Right)	This does not occur during normal operation, but it is believed to occur from the effect of noise.	1129-0005
	SOLENOID ERROR(0006)	Separator Solenoid (Left)	This does not occur during normal operation, but it is believed to occur from the effect of noise.	1129-0006
	SOLENOID ERROR(0007)	Film Retention Solenoid (Upper/Right)	This does not occur during normal operation, but it is believed to occur from the effect of noise.	1129-0007
	SOLENOID ERROR(0008)	Film Retention Solenoid (Lower/Right)	This does not occur during normal operation, but it is believed to occur from the effect of noise.	1129-0008
	SOLENOID ERROR(0009)	Film Retention Solenoid (Left)	This does not occur during normal operation, but it is believed to occur from the effect of noise.	1129-0009
0475	THE LIFT CONTACTS THE FEEDER	Lifter does not rise.	Tray size (large/small) incorrectly programmed - Check Tray Master Feeder movement mid point photo sensor	1135-0000
0476	WRONG TRAY IS INSERTED	The wrapper detected the narrow-side dimension of the tray differs by more than 50mm (2 inch) from the programmed Depth value in Tray Master. Note: The sub-error value indicates the amount of discrepancy.	1. Verify the film dimension settings: System menu, Wrapper Settings, "Film Width Information". 　14" = 36, 15" = 38, 16" = 41, 17" = 43, 18" = 46, 19" = 48, 20" = 51, 21" = 53, 22" = 56, 23" = 58, 24" = 61 2. Clean the two sensors and reflectors that check the trays at the Lift. 3. Adjust calibration of the inner most sensor. 4. Replace the inner most sensor (p/n 72860).	

15.4 ERROR CODE (0400 -)

No.	Message	Symptom or Phenomenon	Check	OMNi-3000
0479	"THE LEFT PLUG OPENING/CLOSING ARE NOT SET"	Error message appeared at start.	Check if emergency stop button is pressed.	1124-0000
0481	THE RIGHT CUTTER HAS NOT RETURNED (FILM CUTTER)(0001) THE LEFT CUTTER HAS NOT RETURNED (FILM CUTTER)(0002)	Film over (no perforation)	Clutch	1115-0001 1115-0002
		Film over (with perforation)	Home position photo sensor	
		Film winds around roller.(Two perforations)	Brake	

15.4a SERVO CONTROLLER ERROR CODES (0430 - 0011~0097)

The Lift Servo has built-in protection. When an error occurs the error code is displayed on the 7-segment display.
CAUTION: These manufacturer's codes are provided as reference only and may have no bearing on the Ishida OMNi-4000 wrapper.

No.	Number*	Protection	Symptom or Phenomenon	Check
0430	11	Under voltage, control power	Power voltage drops due to instantaneous power failure or short capacity of power supply.	Check if power voltage is within permissible voltage range.
0430	12	Over voltage, main power	Convertor voltage increases due to regenerative energy. For 200V mode: 400VDC or more.	Increase the deceleration time or lower the load inertia. *Note*: Not applicable when the regenerative brake is used continuously.
0430	13	Under voltage, main power	Power voltage drops due to instantaneous power failure or short capacity of power supply.	Check if power voltage is within permissible voltage range. *Note*: Be careful of short power capacity, voltage drop due to rush current at power ON, and open-phase of the power supply.
0430	14	Over current error	Convertor output current is abnormally high.	1. After power supply is completely shut off, check if motor connection wires U, V, W are short circuited together. 2. Check insulation resistance between connection wires U, V, W and Ground, and check if motor insulation is compromised.
0430	15	Over heat error	Servo Driver power elements are abnormally heated.	Check Servo Driver ambient temperature and cooling conditions.
0430	16	Over load error	Servo Driver is continuously operated exceeding the rated current.	Increase acceleration/deceleration time or lower the load. Increase motor and Servo Driver capacity.
0430	18	Regenerative discharge error	Regenerative energy exceeds the permissible regenerative discharge resistor value.	Connect external regenerative discharge resistor.
0430	20	Encoder A/B-phase error	Encoder line has trouble such as disconnection. Encoder is defective.	1. Check if encoder connection has any trouble and check the connected state at connector [X4]. 2. Check the power voltage (5V ± 5%) on the encoder side.
0430	21	Encoder Communication error		
0430	22	Encoder connection error		
0430	23	Encoder Communication data error		
0430	24	Position error	Position error pulse is exceeding the permissible range set by parameter No. 63 (Position error limit setup)	1. Check if the motor runs according to the position command. 2. Use the torque monitoring function to check if the output torque is saturated. 3. Set the torque to maximum value. 4. Check the gain adjustment. 5. If no problems are observed, increase acceleration/deceleration time and lower the load to reduce the velocity.
0430	25	Protection against hybrid deviation error	In full closed control mode, the position of load by external scale and the position of motor by encoder differ by more than pulse number set by parameter No. 73 Hybrid deviation error.	1. Check the connection between the motor and the load. 2. Check the connection between the external scale and the servo driver.

15.4a SERVO CONTROLLER ERROR CODES (0430 - 0011~0097)

The Lift Servo has built-in protection. When an error occurs the error code is displayed on the 7-segment display.
CAUTION: These manufacturer's codes are provided as reference only and may have no bearing on the Ishida OMNi-4000 wrapper.

No.	Number*	Protection	Symptom or Phenomenon	Check
0430	26	Over speed error	Motor speed exceeds the velocity limit.	1. Check if excess speed command is given. 2. Check if acceleration overshoot is generated due to gain adjustment failure.
0430	28	Protection against external scale	In full closed control mode when parameter No. 76 (scale error ineffective) is 0, scale error input [X4 pin	Check for the error factor of the external scale.
0430	29	Error counter overflow	Position error count is 134217728 or more.	1. Check if the motor runs according to the position command. 2. Use the torque monitoring function to check if the output torque is saturated.
0430	35	Protection against external scale connection error	Error such as a broken wire occurred on connection of external scale. Error of external scale.	1. Check the power supply of the external scale. 2. Check the wire connection of the external scale.
0430	36	EEPROM parameter error	EEPROM parameter error occurs if the data is broken when data is read from EEPROM at power ON.	Reset all the parameters and write into EEPROM.
0430	37	EEPROM check code error		The Servo Driver might be defective.
0430	39	Emergency stop input error	The Servo Driver gets tripped when emergency stop input becomes active.	1. Check if anything is wrong with the switch (sensor), electric lines, and power source that are connected to the emergency stop input. 2. Make sure the emergency stop input (X5, pin2) is closed. 3. Check if control signal power (12 to 24VDC) is started later compared to the Servo Driver when power is turned on.
0430	40	Absolute system down error	All the power supplies for the encoder are down.	After connecting the battery perform a complete memory clear.
0430	41	Absolute encoder counter over flow error	Encoder multi-turn counter exceeds the specified value.	1. Set parameter No. 0B absolute encoder setup to appropriate value. 2. Moving amount from the machine home should be within 32767 turns.
0430	42	Absolute encoder over speed error	Turning amount exceeds the specified value when battery power alone is supplied.	1. Check CN SIG connection state. 2. Check the power voltage (5V ± 5%) on the encoder side.
0430	44	Absolute encoder single-turn counter error	Encoder detects single-turn counter error	The motor might be defective.
0430	45	Absolute encoder multi-turn counter error	Encoder detects multi-turn counter error	
0430	47	Absolute encoder status error	Encoder is running higher than the specified value at power ON.	Prevent the motor from running when powered ON.

15.4a SERVO CONTROLLER ERROR CODES (0430 - 0011~0097)

The Lift Servo has built-in protection. When an error occurs the error code is displayed on the 7-segment display.
CAUTION: These manufacturer's codes are provided as reference only and may have no bearing on the Ishida OMNi-4000 wrapper.

No.	Number*	Protection	Symptom or Phenomenon	Check
0430	51	Homing error	Abnormal limit signal is input while homing.	Check if anything is wrong with the sensor signal, disposition of sensor, electric lines, or power source which are used for Homing.
0430	52	Homing incompletion error	Positioning operation (individual operation and combined operation) was attempted with homing not completed yet.	Check the operation sequence.
0430	54	Step data undefined error	Speed, acceleration, or deceleration data is not set	Check the setting of the speed, acceleration, and deceleration data.
0430	55	Hard limit input error	Detect hard limit during motor operation after homing completes.	1. Check if the motion command is correct. 2. Check CW, CCW limit sensor wiring.
0430	56	Software limit error	Motor position exceeds the software limit range after homing completes.	1. Check the step data and the operation sequence. 2. Check software limit range.
0430	57	Lower limit operation prohibition	Lower limit sensor was detected during motor operation after completion of homing.	Check the operation instruction and the mounting condition of limit sensor.
0430	58	Wrap around error	Motor stops over the positive/negative maximum input limit of acceptable moving distance. (In encoder pulse	Keep the position point away from these limits.
0430	59	Position command scaling error	Position command after scaling exceeds the allowable range	1. Check the position command data. 2. Check positioning (indexing) parameter No. 34, 35, 36 in 16-bit parameter.
0430	97	Protection against control mode setting error	When encoder specification is not 7-core encoder, parameter No. 02 control mode setting was set at "7". Otherwise, when parameter No. 0B absolute encoder setting is not incremental setting, parameter No. 02 control mode setting was set at "7".	Set the parameter No. 02 control mode setting and parameter No. 0B absolute encoder setting at an appropriate value.
0430	Other errors	Numbers other than the above	The Servo Driver trips when the internal self-diagnosis function is activated, judging some abnormality.	Turn off the power and turn back on. If the Servo Driver still trips displaying the error message code, the Servo Driver might be defective. Immediately shut off the power.

* This sub-number also appears on the Lift Servo display.

When the Servo Driver control circuit malfunctions due to excess noise, etc. the following displays appear:

| nn | EE | FF | yy | 77 | dd |

Typical display "00" in normal operation
                 "--" when E. Stop is engaged

15.5 ERROR CODE (0600 -)

No.	Message	Symptom or Phenomenon	Check
0601	"THE APPLICATOR WAS NOT CONNECTED"	OK] : Cut communication with the applicator. Operate without the applicator. [Re-try] : Check connection with the applicator. The error is cleared if connection is confirmed. Operation without the applicator is possible after pressing the [OK] button.	Press the [Re-try] key to re-attempt communication. If the same error occurs, consider the following causes: 1) Unplugged connector 2) Harness short or break 3) P-910 board malfunction 4) P-918 board malfunction 5) P-916 platform malfunction
0602	"THERE IS NO RESPONSE FROM THE APPLICATOR"	Communication wasn't achieved between the console and the applicator. Communication errors after power ON result in this error.	[OK] : Cut communication with the applicator. Operate without the applicator. [Re-try] : Check connection with the applicator. The error is cleared if connection is confirmed. Operation without the applicator is possible after pressing the [OK] button. P-910 <- P-918 <- P-916 (No response from P-916) Press the [Re-try] key to re-attempt communication. If the same error occurs, consider the following causes: 1) Unplugged connector 2) Harness short 3) P-910 board malfunction 4) P-918 board malfunction 5) P-916 platform malfunction
0603	"THE PROBLEM AROSE IN THE APPLICATOR"	The applicator command sent and the applicator command received are not the same The command sent from P-910 to P-916 and the command that returned from P-916 are different.	This does not occur during normal operation, but it is believed to occur from the effects of noise. Cancel by restoring power.
0604	"THE INSTANT POWER FAILURE OCCURRED BY THE CONSOLE"	P-910 board was reset twice.	Restore power. 1) Input power (AC 200V) to power unit (U220) is unstable 2) Check power unit (U220) output voltage (DC 24V)
0605	"THE INSTANT POWER FAILURE WAS DETECTED WITH APPLICATOR"	Board P-916 was reset	Restore power. 1. Input power (AC 200V) to power unit (3H138W) located on top of the wrapper is unstable. 2. Check output voltage (DC 24V) of the power unit (3H138W).
0606	"THE PROBLEM AROSE IN THE APPLICATOR"	Applicator alignment data has not been set	1. Initialize the Applicator [Test Menu, Applicator Adjustment, page 2]. After initialization, confirm the prompt to send backup settings from main memory. 2. If no backup is available, manually program settings in Test Menu, Applicator Adjustment, page 1.
0607	"THE PROBLEM AROSE IN THE APPLICATOR"	Applicator data checksum value is abnormal.	Applicator alignment needs to be performed after clearing. Perform applicator alignment in test mode.

15.5 ERROR CODE (0600 -)

No.	Message	Symptom or Phenomenon	Check
0608	"OPERATION OF THE APPLICATOR STOPPED"	Power to the applicator was shut off during operation. **NOTE:** This message may be displayed rather than a Door Open or E. Stop message.	1. Confirm all Doors are closed. 2. Release the Emergency Stop switch. *NOTE* : Be sure all doors are closed and E. Stop is released after this error occurs. Otherwise the error will not clear. 3. Check the input voltage (AC 200V) to the power unit (3H138W) located on top of the wrapper. 4. Check the output voltage (DC 24V) from the power unit (3H138W). 5. Check connections at P-916: XJ18 to P-857: J5 + Safety Contactor. 6. Check continuity at Safety Contactor terminals 13-14. *NOTE* : If error 0409-0000 preceeds this error due to missing 24VDC, then 0608-0000 will follow combined with the status message "Printer Door is Open".
0609	"ABSORPTION OF LABEL WAS NOT COMPLETED"	Applicator failed to pickup the label from the printer.	1. Press [RETURN] button, remove label. 2. Clean the blue Applicator sponge. 3. Check the condition of the blue Applicator sponge - replace if worn or damaged. 4. Check operations of two suction fans, clean or replace as needed. 5. Labels are not flat. Labels curl due to defect or moisture / humidity. 6. Adjust the label position for better pickup: a. Check position of Roller Table supporting the printed labels. It must be horizontal, not tipped forward. b. Feed labels farther out. [Test menu, Printer Adjust, page 2, Feed (Stop)] 7. Adjust the Applicator pickup position: a. Adjust height of applicator head [Test Menu, Applicator Adjust, "Down By"] 8. If both suction fans are not turning check: a. Loose or shorted cables and connections. b. Verify voltage: 24VDC at XJ2 (XJ3?) of P-916 Applicator Control board (located on top of the wrapper).

15.5 ERROR CODE (0600 -)

No.	Message	Symptom or Phenomenon	Check
0610	"THERE IS NO LABEL ATTACHMENT"	There was no label when application was attempted. The label remains at the Applicator.	1. Press [RETURN] button, check Applicator unit. 2. If the label is on the Applicator: a. Check and clean Label Sensor in the center of the blue sponge. b. Check the Label Sensor cabling and connections. c. Check the connections at both ends of the Coiled cable. 3. If the label does not remain on the blue Applicator sponge: a. Clean the blue Applicator sponge. b. Check the condition of the blue Applicator sponge - replace if worn or damaged. c. Check operations of two suction fans, clean or replace as needed. d. Labels are not flat. Labels curl due to defect or moisture / humidity.
0611	"A LABEL WAS NOT ABLE TO BE STUCK"	Label could not be applied to the tray. -0000: Application preparation was not completed when application time was sped up. -0001: Previous application was not completed when application timing signal was received. -0002: The tray height message was not received when the application timing signal was received.	1. Press the [RETURN] button after removing the label. 2. Check the condition/operation of the Label sensor at the center of the blue Applicator Sponge. 3. Respond according to the sub-error contents. 4. Check if the communication line connector is loose. Application Timing Signal: from P-857 (J5, pins 2+3) to P-916 (XJ18, pins 15+16) then out to Applicator motors, etc. [See Service Manual section 11.11] 5. Check if application timing signal line is damaged (close to short circuit). Harness #107 (coiled): p/n 114160 (079-1443-28) Harness #105: p/n 079-3010-26
0612	"A LABEL WAS NOT ABLE TO BE STUCK"	Pasting is carried out by the pasting timing signal sent from board P-857 and received by P-916. This signal was not received.	Cable disconnected between P-857 （J5）-> P-916 （XJ-18） Replace board P-857 Replace board P-916
0613	"THE LABEL REMAINS IN THE APPLICATOR	A label remains on the applicator after application	1. Open the front Printer cover and remove the label from the Applicator. Apply the label on the tray. Press the [RETURN] button after removing the label. 2. Clean the blue Applicator sponge.
0614	"DO NOT PUT A HAND INTO A FRONT COVER"	The Label Applicator safety photo sensor (B25) was blocked during the Applicator's operation.	1. Press the [RETURN] button. 2. Check the alignment and operation of the Applicator's safety photo sensor (B25). 3. Check if the coiled cable at the Applicator head is intermittently blocking the safety photo sensor during operation. Secure the cable if necessary.

15.5 ERROR CODE (0600 -)

No.	Message	Symptom or Phenomenon	Check

0615	"ABNORMAL ERROR IN THE APPLICATOR OPERATE"	Sensors reported an incorrect reading: either blocked or unblocked at an incorrect time during operation.
		[Sub-error]
		  -0000 X axis moving left
		  -0001 X axis moving right
		  -0010 Y axis moving forward
		  -0011 Y axis moving backward
		  -0020 Z axis moving up
		  -0021 Z axis moving down
			[RETURN] button
			1. For partial movement confirm shafts are lubricated and free from rust and debris.
			2. Check the DC 24V output from the power unit (3H138W) located on top of the wrapper. Confirm by checking the green power unit LED is illuminated. Check fuse: F1 (250V, 3.6A, ceramic)
			3. P-916 connector XJ28 (power in)
			4. Respond by confirming each sensor is inputting normally by a sensor test.
			5. Check if the mechanical components are bent or damaged.
			6. Rear panel fuses: F2C, F2D (250V, 8A)

0616	"THE SENSOR OF THE APPLICATOR IS UNUSUAL"	A sensor is blocked that should not be.
		[Sub-error]
		  -0000 X axis (left/right)
		  -0010 Y axis (forward/back)
		  -0020 Z axis (up/down)
			[Sub-error]
			  -0000 Check the X axis sensor.
			  (Is it blocked from light even though there is no detection board?)
			  -0010 Check the Y axis sensor.
			  (Is it blocked from light even though there is no detection board?)
			  -0020 Check the Z axis sensor.
			  (Is it blocked from light even though there is no detection board?)

0621	"THE PROBLEM AROSE IN THE APPLICATOR"	Check the main firmware (B0506x) and applicator firmware (B0509x) versions and confirm the combination is compatible.	Check main CPU board P-910 firmware and P-916 label applicator controller firmware: update firmware as needed.
0630	"A SUM VALUE ERROR OF RECEIVING DATA"	The data sum value from the console did not match upon download.	Re-download. If the same error re-occurs, replace the applicator software in the CF.
0631	"FLASH ROM WRITE-IN BUSY ERROR"	Applicator software download cannot end normally.	Re-download.
0632	"A FLASH WRITE-IN ERROR"	Applicator software download cannot end normally [Sub-error] -0000 Flash ROM data write or delete failure. -0003 Flash ROM checksum write failure. -0099 Power failure occurred during download.	Re-download. If the same error re-occurs, replace P-916.

15.5 ERROR CODE (0600 -)

No.	Message	Symptom or Phenomenon	Check
0633	"THE PROBLEM AROSE IN THE APPLICATOR"	There is no Applicator program (firmware) [Sub-error] -0000 Bad checksum or no application. -0001 The application ran too quickly.	1. Download the firmware file to the P-916 Applicator Controller board. a. Test Menu, Program Download. b. Select firmware (B0509A) - yellow highlight. c. Execute. 2. If the same error recurs, replace P-916. After replacing the P-916 board perform the following steps: a. Download firmware to P-916. See step 1 above. b. Initialize the Applicator [Test Menu, Applicator Adjustment, page 2]. c. After initialization, confirm the prompt to send backup settings from main memory. d. If no backup is available, manually program settings in Test Menu, Applicator Adjustment, page 1.
0650	THERE WAS NO RESPONSE FROM THE APPLICATOR	Unable to communicate between the console and applicator. [OK] -> Cut communication with the applicator. Operate without the applicator. [RETRY] -> Check connection with the applicator. The error is cleared if connection can be confirmed. [Remarks] It is possible to operate without the applicator after pressing the [OK] button.	Press the [RETRY] key and attempt communication. The consider the following causes if the error does not clear: 1）Unplugged connector: P-916: XJ17, XJ27 (0650-0017) 2）Shorted harness 3）Board P-910 malfunction 4）Board P-918 malfunction 5）Board P-916 malfunction

15.6 ERROR CODE (0700 -)

No.	Message	Symptom or Phenomenon	Response or Check
0701	"IT CANNOT COMMUNICATE WITH THE PRINTER #1"	[OK]-> Clear the error [RETRY]-> Re-check communication with the printer.	Check each communication harness 1. Check the harness after referring to the wiring diagram. 2. Replace boards P-909(X271)(XJ-11,XJ-17), P-918(XJ-5)(XJ-1,2,8,9), and P-910(XJ-1).
0702	"THERE IS NO RESPONSE FROM THE PRINTER #1"	[OK] --> Clear the error [RETRY] --> Re-check communication with the printer. ・Operation without the printer is possible after pressing the [OK] button. ・Check the connection of printers #1 and #2 with P910 and P909. ・Check the printer #3 and #4 communication cable. ・The printer number in the error heading changes according to the error.	Check each communication harness 1. Check the harness after referring to the wiring diagram. 2 .Replace boards P-909(X271)(XJ-11,XJ-17), P-918(XJ-5)(XJ-1,2,8,9), and P-910(XJ-1).
0703	"THE PRINTER #1 IS MALFUNCTIONING"	The print queue is full	1. Restore power 2. If it doesn't restore, replace P-909.
0704	"THE PRINTER #1 IS MALFUNCTIONING"	Processed an invalid parameter.	1. Restore power 2. If it doesn't restore, replace P-909.
0705	"THE PRINTER #1 IS MALFUNCTIONING"	Too many command processes received	1. Restore power 2. If it doesn't restore, initialize printer unit memory.
0706	"THE PRINTER #1 DETECTED THE INSTANT POWER FAILURE"	A different command was received before the version command.	Clear by restoring power.
0707	"THE PRINTER #1 IS NOT INITIALIZED"	The printer is not initialized	Initialize printer unit memory in "Printer adjustment" in test mode.
0708	"FORMAT NO. OF THE PRINTER #1 HAS ERROR"	Sent format No. 0, Oxff.	This error does not normally occur.
0709	"FORMAT OF THE PRINTER #1 HAS NOT BEEN SET"	The printer attempted to print a non-existent format number.	Check the format number.
0710	"LABEL OF THE PRINTER #1 WAS COMPLETED"	Attempted to begin printing, but the label sensor continued to receive light.	Press the [OK] button after replacing the label Check label sensor. (See 0711 for adjustment method)

15.6 ERROR CODE (0700 -)

No.	Message	Symptom or Phenomenon	Response or Check
0711	"THE LABEL SIZE OF THE PRINTER #1 ERROR"	Printer label size error.	Press the [OK] button after removing the sent label. Confirm the label size (length) matches the label format. Perform label sensitivity adjustment. A. Test menu, Printer Adjust B. Press Sensor Level button C. Adjust with ▲or▼ buttons D. Backing Paper only: 100~250 Backing + Label: Less than 100 Difference must be <u>more than 60 counts</u> E. View graph: 2000, PRESET key
0715	"THERMAL HEAD OF THE PRINTER #1 HAS RUN OUT"	Burnt out element(s) on the thermal print head. Sub errors -0001 : Failed element has no affect on printing. -0002 : Failed element in printing area -0003 : Failed element is in the bar code. Note: This error occurs when no PLU is called. See error 0347-000x.	-0001: No problem for pricing. Will you check the following? EXECUTE button: Check is performed. STOP button：No check is performed. -0002: Replace the thermal head. EXECUTE button: Check is performed. STOP button：No check is performed. -0003: Bar code cannot be printed properly. Replace the thermal head. * This error occurs only when "Thermal Head Cut Error Display" (Setup menu, Error Setup) is set as CONSIST or LINE CUT. Disable error message by setting as NONE.
0716	"THERMAL HEAD OF THE PRINTER #1 IS GOING UP"	The thermal head was raised when printing began.	1. Press the [OK] button after latching down the thermal head. 2. Check the alignment of the thermal "head up" proximity sensor switch (green). 3. Replace the thermal "head up" proximity sensor switch (green). **NOTE**: Selecting Wrap Only mode does not bypass this error message
0717	"CONTROL BOARD OF THE PRINTER #1 IS UNUSUAL"	Unable to detect an interrupt signal from the printer control board (P-909).	1. Restore power. 2. If the same error re-occurs, replace P-909.

15.6 ERROR CODE (0700 -)

No.	Message	Symptom or Phenomenon	Response or Check
0718	"FILE TRANSFER OF THE PRINTER #1 WENT WRONG"	File transfer from the console to the printer failed. Error occurs during printing from printers #3 and #4. [Sub-error] 　0000： No CF card on the printer side. 　0001： File failed to open. 　0002： File failed to close. 　0003： File read failure. 　0004： File write failure. 　0005： No file.	Respond according to the sub-error.
0719	"LABEL ADSORPTION TIMING UNDETECTABLE"	Occurs in printers #1 and #2. The console turns ON the label issue timing signal the moment the applicator starts absorption. This timing signal could not be detected.	This error does not normally occur.
0720	"THE BATTERY OF THE PRINTER #1 IS UNUSUAL"	P-910 battery switch is OFF or exhausted. Cannot access the battery other than test mode or system mode. (OMNi-4000 is no err)	Turn ON the battery switch. Battery charge, P-910*-2 may be faulty.
0721	"IMAGE DEPLOYMENT ERROR"	4M exceeded when attempting to exchange the image file internal data.	Delete unnecessary images.

Printer Errors. Error screens differ depending on operation mode. Even for the same error, the error screen changes depending on the situation.
(1) Wrapping/pricing modes, pricing mode
(2) Label issue with wrapper front cover opened
(3) OMNi-4000

15.7 ERROR CODE (1400 -)

No.	Message	Symptom or Phenomenon	Response or Check
1401	"IT CANNOT COMMUNICATE WITH THE KEY PROCESSING BOARD"	Cannot cancel the error due to inoperable number keys. (OMNi)	key processing board check
1402	"THE KEY PROCESSING BOARD INITIALIZATION ERROR"	Cannot cancel the error due to initialization number keys. (OMNi)	initialization key processing board check keyboard change

15.8 ERROR CODE (1600 -)

No.	Message	Symptom or Phenomenon	Response or Check
1600	"A MEMORY SETUP OF THE SCALE IS UNUSUAL"	Scale (A/D, P-930) memory settings are abnormal.	Recalibrate the scale. If the error cannot be resolved or recurs later replace the A/D board P-930.
1601	"SPAN ADJUSTMENT OF THE SCALE INCOMPLETE"	Scale (A/D, P-930) span adjustment incomplete. ***NOTE:*** *Ignore sub-error numbers, all indicate the same problem.*	Recalibrate the scale. If the error cannot be resolved or recurs later replace the A/D board P-930.
1602	"INITIALIZATION THE SCALE IS NOT COMPLETED"	Scale (A/D, P-930) initialization has not been completed.	Recalibrate the scale. If the error cannot be resolved or recurs later replace the A/D board P-930.
1618	"CHECK THE SCALE"	Check that nothing is in touch with weighing conveyor. (Air currents, vibration)	Remove the weighing conveyor to check if anything is touching the weighing conveyor and remove foreign objects if any. Also check for air currents or vibration.
1619	"TAKE THE ARTICLE ON THE SCALE PLATE"	An item remains on the scale.	1. Remove item from the weighing platter. 2. Check for mechanical obstructions at the scale and conveyor.
		The scale zero calibration is out of range.	1. Recalibrate the scale. 2. Replace the load cell. 3. Replace the A/D board.
1621	"THERE IS NO RESPONSE FROM THE SCALE"	There is no response from the scale (A/D, P-930). Restore power after checking scale connection 01: Invalid text 02: Initializing 03: Out of range 04: Unstable 05: Unable to change between A/D 06: Calibration adjustment is not complete 07: Unable to send (Scale debug response) 08-16: WPL 17: Upper/lower limit error 18: Check scale 19: Remove item from the weighing platter 20: Power failure detected 21: No response from the scale board (connection error) 22: Communication error (connection error) 23: Communication error (connection error)	Check harness, connector Replace P-930(XJ1,4,5) - X292 - X291 - P-910(XJ8)
1622	"COMMUNICATION IMPOSSIBLE WITH THE SCALE"	Cannot communicate with the scale (A/D, P-930) Restore power after checking scale connection.	Check harness, connector Replace P-930 (XJ1,4,5)-X292-X291-P-910(XJ8)

15.8 ERROR CODE (1600 -)

No.	Message	Symptom or Phenomenon	Response or Check
1623	"COMMUNICATION IMPOSSIBLE WITH THE SCALE"	Cannot communicate with the scale (A/D, P-930) Restore power after checking scale connection.	Check harness, connector Replace P-930 (XJ1,4,5)-X292-X291-P-910(XJ8)

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
Power	Wrapper is dead - no response	Single beep from wrapper at power up. Lamp is lit on the temperature control dial and red status LEDs on sensors are lit.	1. Rear panel fuses: F13, F14 (250V, 8A) 2. Power Supply (right side of printer) fuse: F1 (250V, 3.6A 5x20 Ceramic) 3. Power Supply (2H113W, right side of printer)
	Wrapper resets	Wrapper resets during operation	1. Check 3-phase power: a. Low leg(s) b. Fluctuating 2. Power Supply (2H113W, right side of printer) p/n 100015
Sealing Heater	No heat at package seal heater.	Lamp on temperature control dial is not lit.	1. Rear panel fuses: F11, F12 (250V, 4A) 2. Loose connections at Temperature Controller terminals 3. Temperature Controller 4. Check the thermistor probe. a. Check connections and terminal lugs at the Temperature Controller. b. Check continuity. If no continuity check or resoldered the terminal lugs on the wires. c. Replace the thermistor probe. 5. Relay - connections are bad or intermittent
		Lamp on temperature control dial is lit.	1. Thermal TCO fuse (in-line with Heating element) 2. Heating element 3. Loose connections at Temperature Controller terminals 4. Temperature Controller
Exit Conveyors	No discharge conveyor operation.		1. Rear panel fuse: F26 (250V, 1A) 2. P-858B fuse: F4 (250V, 5A, 5x20) 3. Check condition of drive belt (transfer conveyor) and drive chain (heater conveyor. 4. Check drive motors.
Film	No heat in film roll area.		1. Film Roll Heater fuses (located below the main rear panel): F1, F2 (250V, 8A) 2. Film Roll Heater
	No Film Roll motor assist.	Both Left and Right motors do not turn.	P-858B fuse: F3 (250V, 5A, 5x20)
	Film Waiting position is too far back.	The leading edge of the film waiting to be fed into the wrap area is too far back - too close to the Polished Roller.	1. The Cutter Clutch is slow. Check the clutch for contamination (grease, dirt, etc.) 2. Replace the Clutch. 3. Change the Film Position timing setting to stop the film later. [Test menu, Wrapper Setup, page 2]

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
Film (continued)	Film Waiting position is too far forward or inconsistent.	- The leading edge of the film waiting to be fed into the wrap area is too far forward - past the small hex shaft that turns the Film Grab Paddles. - Film is bunched up at the Film Separators.	1. The film is not adhering to the Polished Roller 　a. Clean the Polished Roller with Isopropyl Alcohol and buff with a clean, dry cloth. 　b. Change film. The film is too oily to stick to the Polished Roller. 　c. Change the Film Stop Position timing setting to stop the film sooner. [Test menu, Wrapper Setup, page 2] 2. Replace missing Black Tape on the Film Separators. If the tape is missing from the inner of the separator pairs it will not make contact with the spring loaded small Green Belt assembly. 3. Check the Film Press small green belt assembly has free movement up and down. Binding reduces the downward force required to oppose the Film Separators. 4. Check the operation of the Film Counter Sensor. The counter timing wheel and sensor are located on the front end of the large hex drive shaft, below the front Film Feeder. 5. Confirm the Polished Roller does not turn when the brake is engaged. 　a. The Polished Roller Brake is not holding. 　b. The Polished Roller outer sleeve has come loose from the inner shaft. 6. Check the Cutter Brake. If the Cutter stops late the leading edge of the next sheet will be too far forward.
	Film does not separate.	Film is perforated by the Cutter	1. Change film. The film is too oily to stick to the Polished Roller. 2. Film Feed Belts (white) are worn or contaminated. 　a. Clean the Film Feed Belts with Isopropyl Alcohol. 　b. Replace worn belts. *Note*: if small film separates but not large film this indicates worn belts.
	Film is perforated by the Cutter plus there is an additional 2-inch film strip.	- "Film Over" error may occur - There may be abnormal noises	1. Check the Cutter "home" position sensor. 2. Check the Cutter "home" position sensor cable connections
Film Feeder	Rear Film Feeder unit is misaligned.	Small green belt on Film Press is not aligned with the white Film Feed belt.	1. Rear Film Feeder alignment sensor (mounted on Film Press unit) --> reduce sensitivity to align with reflective tape only, not reflective metal surfaces. 2. If both sides are misaligned check the Feeder Shift Motor Brake that is part of the motor. 　a. Check the in-line connector: D2A 　b. Check the brake / motor. 　c. Check the P-858 board in the "A" position

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
Lift	Moveable fingers on Lift Assembly do not lock into position	No fingers lock into position.	1. Adjust position sensors to allow pusher bar to travel farther. The three Lift Size position sensors are located on the right side of the wrapper. *NOTE*: If the fingers can only be locked in either the front or rear position select the front position. If the fingers walk back from the front position they will strike the rear Film Feeder unit and break. Front lock position: controlled by the middle sensor [B8B] Rear lock position: controlled by the front sensor [B9B]
		Only right or left side fingers do not lock into position	1. Check Finger pusher bar is parallel with the inner, rear cover. Reposition the bar as needed to lock all fingers in place.
Infeed	Infeed conveyor chains move slowly	Speed does not change when Infeed Speed is changed during wrapping.	1. Check the alignment of the Infeed stop position sensor (right) with the sensor reflector (left) -- under the scale platter.

Label Applicator	Applicator is not recognized	- Cannot select "Auto Label 1 Type" in Machine Setting (Test Menu). Setting is fixed as "Manual Label 1 Type".
		- All Test Menu steps for Applicator are missing.
		- The Applicator firmware version is blank (Test Menu, ROM Version, Label App).
			1. Perform Applicator firmware down load: Program Download step (Test Menu).
			2. Check cable between P-916 and P-918 and P-910.
			  a. P-916 XJ11, 17 to X271*,X270* to P-918 XJ 2,8,9,11
			    (*connector block. located to the rear of the main Power Supply [right side])
			  b. P-918 XJ4,5 to P910 (main CPU) XJ1, 7
			3. Check P-916 Applicator Controller.
			4. Check P-918 Junction board (I2NET board, next to Ethernet RJ45)
			5. Check P910 main CPU board.

	Label pickup is intermittent	Labels are dropped or remain at the printer	1. Check the condition of the blue Applicator sponge.
			2. Check operation of the two suction fans in the Applicator head.
			3. Clean any adhesive from the Rollers at the front of the printer.
			4. Check the alignment of the Rollers at the front of the printer
			  - the Roller table assembly must be horizontal.
			5. Adjust the label Feed (Stop) position to reduce the amount of the label sticking to the backing paper. [Test menu, Printer Adjust, page 2]
			  Note: The Feed (Stop) distance will not exceed the Feed distance. Increase the Feed distance if necessary.
			6. Adjust the height of the Applicator during pickup: Up/Down. [Test Menu, Applicator Adjust]

	Applicator does not move down or only partially down	- Error 0610-0000 "NO LABEL ATTACHMENT" occurs even when the label is applied.
		- The Applicator touches the tray very hard.
			1. Check the cables and connections:
			  a. In the Applicator at the coiled cable and fans/sensors connection
			  b. At the P-916 Applicator Controller on top of the wrapper.

Yellow highlights indicate updates

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
Label Applicator (continued)	Suction Fans do not turn	One or both Fans do not turn	1. Check for obstruction. 2. Check the cables and connections: a. In the Applicator at the coiled cable and fans/sensors connection b. At the P-916 Applicator Controller on top of the wrapper. 3. Replace the coiled cable and fans/sensors assembly (p/n 103221) 4. Replace the P-916 Applicator Controller (p/n 104230)
Wrapping	Tray jams during discharge	Front edge of tray sticks at Exit Rollers. Rear Wrap Plate rides over the top of the tray.	1. Confirm all Lift Fingers are present. 2. Confirm the moveable Lift Fingers slide freely and move to the back position for the "Large" lift setting. 3. The rear Lift fingers are not in the correct position to support the back side of the tray -- for large film set the Lift position as "Large". 4. Check if leading (inside) Exit Roller is bent. Swap with another Roller bar. 5. Check height of the Lift at the top position. The top of the Lift fingers should be even with the top of the Exit Rollers. 6. Reduce the Front, Center tension adjustment in Tray Programming. 7. Reduce the Rear, Center tension adjustment in Tray Programming. 8. Use wider film. Too narrow film will restrict the rear edge of the tray causing the Rear Wrap Plate to ride over the top of the back of the tray. 9. Slow the Discharge Pusher timing (potentiometer) to allow the Rear Wrap Plate to move fully forward and prevent the front of the tray from catching on the rollers. *Note*: Changing the Discharge Pusher speed will affect label placement on all trays.
	Film is not wrapped under the rear side of the tray	Film hangs off the end of the tray after wrapping and discharge.	1. Check the alignment of the film on the front Feeder. 2. Check and clean the Rear Wrapping Plate. 3. Check the condition of the leading roller on the Rear Wrapping Plate. If it is worn smooth or it is tacky the film will stick to it and pull off the tray after it is wrapped. 4. Adjust the Front, Center tension adjustment in Tray Programming. The front must be held long enough for the rear to complete wrapping. 5. Check mechanical operation of the front, center and rear, center Film Clamps. 6. Replace the front white film feed belt if it is worn or damaged.

 Yellow highlights indicate updates

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
Wrapping (continued)	Wrap is loose on left and right sides of the trays	Film is puffy or not tucked under the tray. Tray ends are open, not covered by film.	1. Increase the Right and Left side front & rear timing settings in Tray Programming. 2. Reduce the length (long dimension) of the tray by one or two counts to wrap tighter. 3. If trays "jump" to the right or left during wrapping and discharge, check the mechanical tension of the side clamps. 4. Confirm the pulley mounted to the Right & Left wrap plates drive motor shaft is secure. Verify the set screws are tight and the key is in place. 5. Check the surfaces of the leading edge of the Right & Left wrap plates. If they are polished film will stick rather than slide resulting in poor wrapping. Roughen with 100 grit sandpaper. 6. Check the various bushings on the Right & Left wrap plates drive arms at the rear of the wrapper. 7. Check the movement of the side folders. There will be some resistance due to the seals at the front side. 8. If the side folder movement sticks the front side bearings and bushings should be replaced. These can fill with film pieces and bind. 2 pc – 48206 (Linear Bearing), 4 pc – 77447 (Felt Washer), and 4 pc – 77448 (Plastic Cone Seal)
	Side wrap plates "vibrate"	When the side wrap plates reach the inside stop position they "vibrate"	Check tension of the belt driving the Side Wrap Plates.
	Side wrap plates are out of position	Side wrap plates "home position" is too far in	1. Confirm the pulley mounted to the Right & Left wrap plates drive motor shaft is secure. Verify the set screws are tight and the key is in place. 2. Confirm the transfer pulley set screws are secure. 3. Adjust the timing wheel and half-moon plate coupler to reposition the side wrap plates to the full outside "home" position. 4. Check the "home" position sensor for intermittent operation.
Printer	Backing paper does not wind	Backing paper motor does not turn after replacing the P-909 board	1. Initialize the Printer Memory (P-909 board): Test menu, Print Adjustment, Memory Initialize. *NOTE:* Before clearing the Print memory record the settings on both pages of the Print Adjustment screen (Test menu). After memory clear check and re-enter values as needed.

15.9 NO ERROR CODES

Section	Symptom	Phenomenon	Response or Check
No Printer	Cannot select Wrap+Label or Label modes --> stuck at Wrap mode (no error message)	- Cannot select "Auto Label 1 Type" in Machine Setting (Test Menu). Setting is fixed as "Manual Label 1 Type". - All Test Menu steps for Applicator are missing. Example: "Print Adjust" is not displayed in Test menu (blank).	1. Check the cable connections 2. Replace P-909 printer board
Label Format	PLU Description print format is incorrect	- The print is left justified instead of centered - The character size is too small	Print the PLU Description in a fixed character size: A. System menu, Format Setup B. Press 00:HEADER until "(NAME) appears C. Press DETAIL, set the following: - UNIT TYPE = 20 (Normal Char.: Reference) - FONT TYPE = 0A (fixed as size #5) [Press Font Type and select from the list] - FONT DIRECTION = 00 (horizontal) - PITCH = 03 (spacing between characters) - LINE PITCH = 03 (spacing between lines) - TEXT POSITION = 01 (top justified and centered left/right) D. Press BACK to return to the label format screen
	Extra Messages printing	- Extra Messages print twice - Extra Messages print OK but the wrapper displays an error	Remove Extra Message from printing within the PLU Description print field: A. System menu, Format Setup B. Press 00:HEADER until "(NAME)" appears C. Press DETAIL D. If necessary, change the UNIT TYPE setting to "71" (Commodity Spec.: Reference). E. Press PRINT ITEM to display a list of available text messages. F. Touch any message to select (blue) or unselect (white) inclusion in the PLU Name area. G. Press BACK when finished. H. Change the UNIT TYPE setting to its original value.