

Error CODE

Code	Alarm Content	Set Condition	Check Point & Disposition
01-00-00	Upper Door not properly set.	Upper Door Switch (SW1) detects door open.	Check SW1. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
02-00-00	Front Door not properly set	In wrap mode, Front Door Switch (SW2 or SW3) detects door open.	Check SW2 and SW3. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
02-00-01	Front Door not properly set.	In count mode, Front Door Switch (SW2 or SW3) detects door close.	Check SW2 and SW3. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
06-00-00	Clear Box not properly set.	Clear Box Set Sensor (PI18) detects not set Clear Box.	Check PI18. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
06-01-00	Clear Box Full	While Clear Box Set Sensor (PI18) detects a box, Clear Box Full Sensor (PH15) detects light blockage specified time.	Check PH15. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
06-30-11	Jam at Clear Gate 1	Clear Gate Position Sensor (PI17) does not detect Gate move to Clear Box side when Clear Gate Solenoid was turned off for a certain period.	Check PI17. Check Clear Gate Solenoid and moving Gate mechanism. Replace LA Drive PCB (1PZ-004).
06-30-12	Jam at Clear Gate 2	Clear Gate Position Sensor (PI17) does not detect Gate move to Roll Chute side when Clear Gate Solenoid was turned on for a certain period.	
07-01-00	Count Chute is Full.	In count mode, Count Chute Full Sensor (PH7) detects a light blockage.	Check PH7. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
10-30-21	Automatic Wrap Sensor Abnormal	Automatic Wrap Sensor (PH18) detects presence of coin without coin.	Check PI18. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004)
10-F5-51	Jam at Aux Coin Table	It detects excess current to Aux. Coin Table Motor (M1).	Check M1 function. Check damage or short circuit of wire and loose connectors for above devices. Replace EMTD000258 DC Motor Driver Replace LC Drive PCB (1PZ-003).
11-30-21	Jam at Coin Table 1	Not count up certain period when Aux. Coin Table Control Sensor (PH1) or Coin Table Remain Sensor (CM1) detects the presence of coin.	Check CM1, PH1. Check M2, M3 function. Check damage or short circuit of wire and loose connectors for above devices. Replace EMTD000258 DC Motor Driver or LC Drive PCB (1PZ-003).
11-F5-51	Jam at Coin Table 2	Coin Table Motor (M2) detects excess current.	Check M2 function. Check damage or short circuit of wire and loose connectors for above devices. Replace EMTD000258 DC Motor Driver or LC Drive PCB (1PZ-003).

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30-40-21	Lock at Thickness Block 1	It becomes time over for not detecting plus to home position while moving Thickness Block.	Check M6 function. Adjust the gap between Thickness Block and coin table. Replace LC Drive PCB (1PZ-003).
30-60-21	Time over for setting Thickness Block	Thickness Block High Position Sensor (PI5) or Thickness Block Low Position Sensor (PI6) does not change its status when Thickness Block Motor (M6) has started running a certain period.	Check PI5. Check M6 function. Replace LC Drive PCB (1PZ-003).
30-60-22	Thickness Block Low Position Setting Alarm	While setting Thickness Block to home position, Thickness Block Low Position Sensor (PI6) detects its low position.	Check PI6. Adjust the gap between Thickness Block and coin table. Replace LC Drive PCB (1PZ-003).
30-60-23	Thickness Block High Position Setting Alarm	While setting Thickness Block to home position, Thickness Block High Position Sensor (PI5) detects its high position.	Check PI5. Adjust the gap between Thickness Block and coin table. Replace LC Drive PCB (1PZ-003).
30-F5-51	Thickness Block Motor Alarm	Thickness Block Motor (M6).detects excess current.	Check M6 function Replace LC Drive PCB (1PZ-003).
31-00-00	Reject Box not properly set	Reject Box Set Sensor (PI9) detects not set Off Sort Box.	Check PI9. Replace LC Drive PCB (1PZ-003).
31-01-00	Reject Box full	While Reject Box Set Sensor (PI9) detects a box, Off Sort Box Full sensor (PH6) detects light blockage a certain period.	Check PH6. Replace LC Drive PCB (1PZ-003).
31-40-21	Locking of Sorting Track 1	Track Width Home Position Sensor (PI3) does not detect its home position within a certain period when Track Width Motor (M4) has started to set to its home position.	Check PI3. Check M4 function. Replace LC Drive PCB (1PZ-003).
31-40-22	Locking of Sorting Track 2	Track Width Rotary Encoder does not detect appropriate plus within a certain period when Track Width Motor (M4) has started to set up a target position.	Check M4 function. Replace LC Drive PCB (1PZ-003).
31-60-21	Sorting Track Setting Abnormality 1	Track Width Rotary Encoder detects more than 40 reverse motor pulses when Track Width Motor (M4) runs normal direction.	Check M4 function. Check RE1 sensor detection. Replace LC Drive PCB (1PZ-003).
31-60-22	Sorting Track Setting Abnormality 2	Track Width Rotary Encoder detects more than 40 normal motor pulses when Track Width Motor (M4) runs reverse direction.	Check M4 function. Check RE1 sensor detection. Replace LC Drive PCB (1PZ-003).
31-60-23	Sorting Track Setting Abnormality 3	Rotary Encoder (RE1) detects more than ± 5 pulse fluctuations during counting.	Check CLB1 function. Check RE1 sensor.
31-60-24	Sorting Track Setting Abnormality 4	Rotary Encoder (RE1) detects pulse fluctuation when Track Width Motor (M4) has set a target position 80 msec.	Check M4 function. Replace LC Drive PCB (1PZ-003).
31-F5-51	Sorting Track Motor Abnormality	Track Width Motor (M4) detects excess current.	Check M4 function. Replace LC Drive PCB (1PZ-003).
31-F5-52	Coin Feed Motor Abnormality	Coin Feed Motor (M3) detects excess current.	Check M3 function. Replace Motor Driver EMTD000258. Replace LC Drive PCB (1PZ-003).
32-40-21	Reject Stopper Problem 1	Reject Stopper Sensor (PI2) does not detect its open when Reject Stop Solenoid (SOL2) has opened a certain period.	Check PI2. Check SOL2 function. Replace CJM500 Left, Right or Core Block ASY.
32-40-22	Reject Stopper Problem 2	Reject Stop Position Sensor (PI2) does not detect its close when Reject Stop Solenoid (SOL2) has closed the track a certain period.	Replace LC Drive PCB (1PZ-003).

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33-30-21	Jam at Count Sensor 1	Count Sensor 1 (PH3) detects the light blockage after reversing Coin Feed Motor (M3).	Check 1PZ-012, 1PZ-013 count sensor. Replace count sensor. Replace LC Drive PCB (1PZ-003).
33-30-22	Jam at Count Sensor 2	Count Sensor 2 (PH4) detects the light blockage after reversing Coin Feed Motor (M3).	
33-30-23	Jam at Count Sensor 3	Stack Timing Sensor (PH5) detects the light blockage after reversing Coin Feed Motor (M3).	
33-30-24	Jam at Count Sensor 4	Material Detection Timing Sensor 1 detects the light blockage after reversing Coin Feed Motor (M3).	Check CJM500 Left, Right and Core Block ASY of sensors. Replace CJM500 Left, Right and/or Core Block ASY. Replace CJM500 CPU PCB 1QD-001.
33-30-25	Jam at Count Sensor 5	Material Detection Timing Sensor 2 detects the light blockage after reversing Coin Feed Motor (M3).	
33-30-26	Jam at Count Sensor 6	Material Detection Timing Sensor 3 detects the light blockage after reversing Coin Feed Motor (M3).	
33-30-27	Jam at Count Sensor 7	Material Detection Timing Sensor 4 detects the light blockage after reversing Coin Feed Motor (M3).	
33-50-33	Material Detection Abnormality 1	Memory is abnormal.	Reinstall Validator firmware Currency pattern. Replace CJM500 CPU PCB 1QD-001.
33-50-34	Material Detection Abnormality 2		
33-50-35	Material Detection Abnormality 3		
33-50-37	Material Detection Abnormality 4		
33-50-38	Material Detection Abnormality 5		
33-50-39	Material Detection Abnormality 6		
33-50-3A	Material Detection Abnormality 7		
33-50-3B	Material Detection Abnormality 8		
33-50-70	Material Detection Abnormality 9	While initializing, Core Block ASY level does not reach to specified level.	Clean CJM500 Left, Right and Core Block ASY.
33-50-80	Material Detection Abnormality 10	Left Block ASY or Right Block ASY detects remaining coin.	Check and Adjust ID Sensors.
33-50-81	Material Detection Abnormality 11	Blank Detection adjustment is abnormal.	Check damage or short circuit of wire and loose connectors for above devices.
33-50-82	Material Detection Abnormality 12	Core Block ASY level is abnormal.	
33-50-83	Material Detection Abnormality 13	Left Block ASY or Right Block ASY (Ring 1) level is abnormal.	Replace CJM500 Left, Right and/or Core Block ASY. Replace CJM500 CPU PCB 1QD-001.
33-50-84	Material Detection Abnormality 14	Left Block ASY or Right Block ASY (Ring 2) level is abnormal.	
33-50-85	Material Detection Abnormality 15	Core Block ASY (Inner 1) level is abnormal.	
33-50-86	Material Detection Abnormality 16	Core Block ASY (Inner 2) level is abnormal.	
33-50-87	Material Detection Abnormality 17	Left Block ASY or Right Block ASY (Position Adjustment) is abnormal.	
33-50-88	Material Detection Abnormality 18	Core Block ASY (Distance Adjustment) is abnormal.	
33-50-89	Material Detection Abnormality 19	Right Block ASY (Timing Adjustment) is abnormal.	
33-50-8A	Material Detection Abnormality 20	Core Block ASY (Fine Adjustment 1) is abnormal.	
33-50-8B	Material Detection Abnormality 21	Left Block ASY or Right Block ASY (Fine Adjustment 2) is abnormal	

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33-50-8C	Material Detection Abnormality 22	Sampling Qty is insufficient.	Clean CJM500 Left, Right and Core Block ASY. Check and Adjust ID Sensors. Check damage or short circuit of wire and loose connectors for above devices. Replace CJM500 Left, Right and/or Core Block ASY. Replace CJM500 CPU PCB 1QD-001.
33-50-8D	Material Detection Abnormality 23	Left Block ASY, Right Block ASY or Core Block ASY (Thermal sensing) is abnormal.	
33-50-8E	Material Detection Abnormality 24	Adjustment is not completed.	
33-50-8F	Material Detection Abnormality 25	Fine Adjustment 1 is not completed.	
33-50-90	Material Detection Abnormality 26	Fine Adjustment 2 is not completed.	
33-50-91	Material Detection Abnormality 27	Sampling is abnormal.	
33-50-92	Material Detection Abnormality 28	Functional setting is abnormal.	
33-50-93	Adjustment Error (Only for China)	Received Sensor Adjustment error from Detection Module	
33-50-F0	Material Detection Abnormality 29	Internal I/F error	
33-50-F1	Material Detection Abnormality 30		
33-50-F2	Material Detection Abnormality 31		
33-50-F3	Material Detection Abnormality 32		
33-50-F4	Material Detection Abnormality 33		
33-50-F5	Material Detection Abnormality 34		
33-50-F6	Material Detection Abnormality 36		
33-50-F7	Material Detection Abnormality 37		
33-50-F8	Material Detection Abnormality 38		
33-50-F9	Material Detection Abnormality 39		
33-50-FA	Material Detection Abnormality 40		
33-50-FB	Material Detection Abnormality 41		
33-50-FC	Material Detection Abnormality 42		
33-A0-21	Count abnormality 1	Count increments when complete count each roll in Wrap Mode.	Check Count Sensor 1PZ-012, 1PZ-013. Check SOL1 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003)..
33-A0-22	Count abnormality 2	In Count Mode, Count increments while rejecting a coin as different material.	
33-A0-23	Count abnormality 3	When completing each roll count or Count Sensor count is more than Stack Timing Sensor count.	
33-A0-24	Count abnormality 4	While machine is rest condition, Count Sensor (PH3, PH4) detects coin pass.	
33-A0-25	Count abnormality 5	Count Sensor (PH3, PH4) does not detect coin pass.	
33-A0-26	Count abnormality 6	Count Sensor or Stack Timing Sensor does not function correctly.	
33-A0-27	Count abnormality 7	While counting, Stack Timing Sensor (PH5) detects coin remaining.	

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40-40-41	Locking at Selecting Gate for Wrap/ Count Mode.	(Abnormal Wrap Mode Position) When Motor (M8) has started to Wrap Mode position, Wrap Mode Position Sensor (PI12) does not detect the position for a certain period.	Check PI11, PI12. Check M8 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
40-40-42	Locking at Selecting Gate for Wrap/ Count Mode.	(Abnormal Count Mode Position) When Motor (M8) has started to set Count Mode position, Count Mode Position Sensor (PI11) does not detect the position a certain period.	
40-60-41	Selecting Gate for Wrap/ Count Mode position abnormal	(Abnormal Wrap Mode Position) When Motor (M8) has stopped at Wrap Mode Position, Wrap Mode Position Sensor (PI12) detects out of position.	
40-60-42	Selecting Gate for Wrap/ Count Mode position abnormal	(Abnormal Count Mode Position) When Motor (M8) has stopped at Count Mode Position, Count Mode Position Sensor (PI11) detects out of position.	
50-30-21	Jam at Stack Unit 1	In Count Mode, Stack Jam Sensor (CS1) is ON when the stack count is "0".	Check CS1. Check M7 function.
50-30-22	Jam at Stack Unit 1	While counting one roll of coin, Stack Jam Sensor (CS1) detects Coin Jam, Count Sensor detects remaining coin for a certain period and/or count reduces specified pieces.	Check damage or short circuit of wire and loose connectors for above devices..... Perform mechanical adjustment. Perform Coin Stack height adjustment. Replace LC Drive PCB (1PZ-003).
50-40-31	Locking at Stack Unit	When Stack Width Motor (M5) has started to set the stacker width a certain period, Stack Width Home Position Sensor (PI4) does not detect or does not change the status,	Check and remove cause of lock condition of Stack Drum. Check PI4. Check M7 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
50-40-32	Locking Stack Unit	When Stack Drum Motor (M7) has started to set Stack Drum to its home position a certain period, Stack Drum Home Position Sensor (PI8) does not detect its home position.	
50-40-33	Locking Stacking Unit	When Stack Drum Motor (M7) has started to set its home position while conveying stacked coin to wrapping unit a certain period, Stack Drum Home Position Sensor (PI8) does not detect its home position.	
50-40-34	Locking Stack Unit	When Stack Drum Motor (M7) has started to set its home position a certain period, Stack Drum Home Position Sensor (PI8) does not change its status.	
50-40-35	Shutter Solenoid Open Abnormal	When Shutter Solenoid (SOL3) has started to open a certain period, Shutter Solenoid Home Sensor (PI7) does not detect its open.	Check PI7. Check SOL3 function.
50-40-36	Shutter Solenoid Close Abnormal	When Shutter Solenoid (SOL3) has started to close a certain period, Shutter Solenoid Home Sensor (PI7) does not change its status.	Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
50-60-31	Stack Drum Abnormal	When Stack Drum Motor (M7) has stopped at home position, Stack Drum Home Position Sensor (PI8) detects out of home position.	Check PI8. Check M7 function. Replace LC Drive PCB (1PZ-003).

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50-60-32	Stack Drum Home Position Abnormal	When stack count is 0, Stack Drum Home Position Sensor (PI8) detects it out of home position. Stack Drum Home Position Sensor (PI8) detects out of home position after conveying coins to shutter till next count start.	
50-F5-51	Stack Width Abnormal	When Stack Width Motor (M5) has started to set the stacker width a certain period, it does not detect specified plus.	Check M5 function. Check damage or short circuit of wire and loose connectors for above devices.
50-F5-52	Stack Drum Abnormal	When Stack Drum Motor (M7) has started to set specified stacking position a certain period, it does not detect correspond plus.	Check M7 function. Replace LC Drive PCB (1PZ-003).
50-F5-53	Stack Drum Motor Abnormal	It detects Stack Drum Motor (M7) alarm. (It detects excess current to the motor.)	Replace M5, M7 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LC Drive PCB (1PZ-003).
50-F5-54	Stack Width Motor Abnormal	It detects Stack Width Motor (M5) alarm. (It detects excess current to the motor.)	
60-40-30	CAM Motor Abnormal 1	When Main Cam Motor (M9) is running, Cam does not move correctly.	Check PI13. Check M9 function. Check damage or short circuit of wire and loose connectors for above devices. Replace DC Motor Driver EMTD000258. Replace LA Drive PCB (1PZ-004).
60-40-41	Cam Motor Abnormal 2	When Main Cam Motor (M9) is running, Main Cam Home Position Sensor (PI13) does not change its status.	
60-40-42	Cam Motor Abnormal 3	When Main Cam Motor (M9) is running, it does not detect motor plus signal.	
60-60-41	Cam Motor Abnormal 3	When Main Cam Motor (M9) has started to set home position, Main Cam Home Position Sensor (PI13) keep detect only home position.	
60-60-42	Cam Motor Abnormal 4	When Main Cam Motor (M9) has stopped home position, Main Cam Home Position Sensor (PI13) detects out of home position.	Check PI14. Check SOL4 function. Replace SOL4. Replace LA Drive PCB (1PZ-004).
60-60-43	Arm Stop Solenoid Abnormal	When Arm Stop Solenoid (SOL4) has stopped, Arm Stop Solenoid Position Sensor (PI14) does not detect its position or it does not change its status.	
60-60-44	Cam position corrective Alarm	When Cam motor corrective position, detects abnormal signal from Coin Roll Height Detection or Main Cam Motor.	Check PI13. Check RE2 function. Check M9 function. Replace DC Motor Driver EMTD000258. Replace LA Drive PCB (1PZ-004).
60-F5-50	Cam Motor Alarm	It detects Main Cam Motor (M9) alarm.	Check M9 function. Replace DC Motor Driver EMTD000258 Replace LA Drive PCB (1PZ-004)
60-F5-51	Upper FAN Motor Alarm	It detects Upper FAN (FAN1) alarm. (Internal rotation sensor detects abnormal.)	Check FAN1 function. Replace FAN1. Replace LA Drive PCB(1PZ-004)
70-30-31	Coin Remaining	There is a possibility of coin remaining in Roller Case Unit.	Check remaining coin at Roller Case Unit.

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70-40-41	Roller Control Setting Unit abnormal	When Roller Opening Motor (M12) is running, Roller opening position sensors (PH8, 9, 10, 11) do not change its status.	Check Roller Opening Sensor 1HA-915, 1HA-916. Check M12 function. Replace LA Drive PCB (1PZ-004).
70-40-42	Roller Control Setting Time out	When Roller Opening Motor (M12) has started to set the position a certain period, Roller opening position sensors (PH8, 9, 10, 11) do not detect correspond position.	
70-60-41	Roller Control Setting Overrun	When Roller Opening Motor (M12) has stopped a certain period, Roller opening position sensors (PH8, 9, 10, 11) do not detect correspond position.	
70-60-42	Roller Control Setting Abnormal	While Wrap Mode operation, Roller opening position sensor (PH8, 9, 10, 11) change the status.	
70-F5-50	Wrap Motor Alarm	It detects Wrap Motor (M10) alarm.	Check M10 function. Check damage or short circuit of wire and loose connectors for above devices. Replace DC Motor Driver EMTD000259. Replace LA Drive PCB (1PZ-004).
80-00-50	Roll Paper Set Abnormal 1	While Wrap Mode operation, Paper End Sensor (PH14) does not detect paper. When Roll Printer is mounted, Printer Paper End Sensor (PH17) does not detect paper.	Check and adjust paper feed condition. Check Paper detection sensors PH13, PH14, PI15. Check M11 function. Check damage or short circuit of wire and loose connectors for above devices. Replace DC Motor Driver EMTD000258. Replace LA Drive PCB(1PZ-004)
80-00-51	Roll Paper Set Abnormal 2	When roll paper is fed in Wrap Mode operation, Paper Home Position Sensor (PH13) does not detect paper.	
80-00-52	Roll Paper Set Abnormal 3	While Wrap Mode operation, Paper Roll Set Position sensor (PI15) does not detect paper.	
80-00-60	Roll Paper Set Abnormal 4	When Paper Feed Motor (M11) is running, Paper End Sensor (PH14) detect paper end.	
80-30-10	Roll Paper Jam	When Wrap Motor (M10) has completed wrapping, Paper Home Position Sensor (PH13) still detects paper.	Check PH13. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
80-40-40	Paper Feed Lock 1	While pre-paper feed, Paper Home Position Sensor (PH13) does not detect paper or change status even after running Paper Feed Motor (M11) a certain period.	Check PH13. Check M11 function. Check damage or short circuit of wire and loose connectors for above devices. Replace DC Motor Driver EMTD000258 Replace LA Drive PCB (1PZ-004).
80-40-41	Paper Feed Lock 2	When Roll Paper is fed, Paper Feed Motor plus does not reach specified value even running Paper Feed Motor (M11) for a certain period.	
80-60-40	Paper Feed Motor Plus Abnormal	While pre-paper feed, Paper Home Position Sensor (PH13) does not detect paper even running Paper Feed Motor (M11) a certain period.	
80-60-41	Paper Home Position Sensor fluctuation	While pre-paper feed, Paper Home Position Sensor (PH13) does not detect paper correctly even running paper Feed Motor (M11) a certain period.	

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80-F5-50	Paper Feed Motor Alarm	Paper Feed Motor (M11) detected excess current to the motor.	Check M11 function Replace DC Motor Driver EMTD000258. Replace LA Drive PCB (1PZ-004).
81-00-60	Roll Paper not set properly	Paper Roll Set Position Sensor (PI15) is not set.	Check Paper Roll Height Link ASY. Check PI15.
82-00-00	Paper Holder Arm not set properly	Paper Roll Set Position Sensor (PI15) does not detect the lever set.	Adjust Detection Plate for PI15. Replace LA Drive PCB (1PZ-004).
83-00-00	Roll Printer Cover not set properly.	Roll Printer Cover (SW4) is not set properly.	Check SW4. Replace LA Drive PCB (1PZ-004).
83-00-01	Ink Ribbon Cartridge not set properly.	Cartridge Set sensor (PI21) is not detects set Cartridge properly.	Check PI21. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
83-40-50	Roll Printer Encoder Abnormal	Roll Printer Encoder Rotation is abnormal.	Check RE3. Check damage or short circuit of wire and loose connectors for above devices. Replace Printer Encoder Cable ASY Replace LA Drive PCB (1PZ-004).
83-40-60	Cartridge Motor Detection Abnormal	Cartridge Motor Roller Position sensor (PI20) is abnormal.	Check PI20. Check damage or short circuit of wire and loose connectors for above devices. Check M14 function. Replace LA Drive PCB (1PZ-004).
90-30-10	Roll Chute Jam	Roll Chute Jam Sensor (PH16) is blocked a certain period.	Check PH16. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004)
91-30-10	Roll Gate Jam	Loose Coin Sensor (CS2) detects loose coin.	Check CS2 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
91-40-41	Roll Gate Lock	When Roll Gate start to open, Roll Gate Position Sensor (PI19) does not detects its open a certain period.	Check PI19. Check M13 function. Check damage or short circuit of wire and loose connectors for above devices. Replace LA Drive PCB (1PZ-004).
F0-F0-51	Display Board RAM Abnormal 1	SRAM Check Error	Replace Display Control CPU PCB 1PZ-001.
F0-F0-52	Display Board RAM Abnormal 2	DRAM Check Error	
F0-F0-53	Mechanism Board RAM Abnormal 1	SRAM Check Error	Replace Mechanism Control PCB 1PZ-002.
F0-F0-54	Mechanism Board RAM Abnormal 2	DRAM Check Error	
F0-F1-51	Display Board Flash Abnormal	Flash Memory Sum Check Error	Replace Display Control CPU PCB 1PZ-001.
F0-F1-52	Mechanism Board Flash Abnormal	Flash Memory Sum Check Error	Replace Mechanism Control PCB 1PZ-002.
F0-F1-53	Mechanism Board Program Download Abnormal	Flash Memory Writing Error	
F0-F2-51	Display Board CPU Abnormal	CPU does not function properly.	Replace Display Control CPU PCB 1PZ-001.
F0-F2-52	Mechanism Board CPU Abnormal	CPU does not function properly.	Replace Mechanism Control PCB 1PZ-002.

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F0-F5-51	Display Backup Memory Abnormal	Backup Memory does not function properly.	Check Battery on Display Control CPU PCB 1PZ-001. Replace Display Control CPU PCB 1PZ-001.
F0-F5-52	Security Chip Abnormal	Security Chip is not found.	Check Security Chip. Replace Security Chip.
F0-F5-53	Security Chip Abnormal	Security Chip Version and Main FW Version does not match.	Check Security Chip and make sure it is appropriate version. Replace appropriate version of Security Chip.
F1-F5-51	Bottom FAN Motor Alarm	It detects abnormal rotation of Bottom FAN Motor (FAN2).	Check FAN2 function. Check damage or short circuit of wire and loose connectors for above devices. Replace FAN2. Replace LA Drive PCB (1PZ-004).
F1-F6-51	5V Abnormal	DC5V is below 4.6V.	Check or replace the voltage of Switching Regulator EANU000019. Replace LA Drive PCB (1PZ-004).
F1-F6-52	24V 1 Abnormal	DC24V is below 20V.	Check or replace the voltage of EANU000119. Replace LA Drive PCB (1PZ-004).
F1-F6-53	24V 2 Abnormal		
F1-F6-54	Battery Level is low 1	Mechanism Board Battery is below 2V.	Check voltage of Battery EBTZ000014. Replace Mechanism Control PCB 1PZ-002.
F1-F6-55	Battery Level is low 2	Display Board Battery is below 2V.	Check voltage of Battery EBTZ000014. Replace Display Control CPU PCB 1PZ-001.
F8-F8-51	Communication Abnormal 1	Communication between Display and Mechanism Board is abnormal.	Check USB cable. Replace PCB 1PZ-001.or 1PZ-002.
F8-F8-52	Communication Abnormal 2	Communication between Mechanism and ID Detection PCB is abnormal.	Check damage or short circuit of wire and loose connectors for PCB. Replace 1PZ-002.or 1PZ-001 PCB.
F8-F8-53	Display Board External I/F Error	Communication between Display Board and LAN PCB is abnormal.	Check damage or short circuit of wire and loose connectors for PCB. Replace Display Control CPU PCB 1PZ-001 or 1PZ-007 LAN Relay PCB.