

| ERROR CODE | MEANING | CONTENTS | CAUSE | ACTION | MODELS | | | | | |
|-------------------------------|--|--|--|---|------------------------------|----------|------------------------------|--------------------------------------|------------------|--------------------|
| | | | | | | | | | | |
| 0001 | Feed Motor Deviation Error | | | | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0002 | Sub CPU Communication Error | Poor communication with Sub CPU *CAUSE: Sub Board does not work correctly. Sub CPU does not work correctly. There is a bad connection between Main Board and Sub Board. | | 1) Check Cable Connection between Main Board and Servo Board 2) Servo Board Replacement 3) Main Board Replacement | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0003 | DIPSW model setting error | Incorrect DIP SWITCH Setting on the Main Board *CAUSE: DIPSW setup error DIPSW defect Main Board defect | | 1) Check the DIPSW settings 2) Replacement the Main Board | SP-540V | SC-545EX | | | SJ-645 SJ-745 | |
| 0004 | Feed Motor Overcurrent Error 1 (Big load is put on the motor movement instantaneously.) | | End User Condition 1. Media Jam 2. Adhesive on the platen 3. Adhesive on the media guides. 4. Media is stuck on the media core. | 1. Check for adhesive on platen and guides. 2. Check media supply area, free motion and check brake. 3. Check X- motor gear mesh. 4. Check set screws in all X axis gears. 5. Run feed aging, or aging with cutting 6. If it falls during aging with cutting, cut jobs, sheet cut operation or media feed run-away, replace feed motor. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0005 | 0001 and 0004 occurred at the same time. | | Mechanical Issue 1. There is a bad contact/cut-line in the X motor/encoder cables. | 7. Check X motor and X encoder cable connections | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0006 | Feed Motor Overcurrent Error 2 (A little load is put on the motor movement for a long time.) | | 2. Check feed motor hours. 3. Head/Servo Board is broken. 4. Defective motor driver on servo board. | 8. Versacamm - Blown IC 2 near connector CN3- Change both X motor and Servo Board. 9. Replace Servo Board. | SP-300 SP-300V SP-540V | SC-545EX | | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0009 | 0001 and 0008 occurred at the same time. | | | | SP-300 SP-300V SP-540V | SC-545EX | | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0010 | Scan Motor Deviation Error | | End User Condition 1. Media Jam or striking media guides. 2. Moving the Carriage by hand. 3. Carriage runs into an object. 4. Media is stuck on the media core. | 1. Check wire tension and wire attachment screw. 2. Manually move cutter and print carriage check for obstructions on the linear rail or specific resistance. 3. Check for clicking from LH idler pulley, if yes, replace. 4. Check y motor mounting screws, and wire condition. 5. Y scan motor gear noise? Loosen attachment screws and pivot scan motor away from main gear. Recheck for resistance on the linear bearing. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0040 | Scan Motor Overcurrent Error 1 (Big load is put on the motor movement instantaneously.) | | Mechanical Issue 1. There is a bad contact/cut-line in the cable. 2. Drive wire attachment screw on cutter carriage is loose. 3. Low wire tension. 4. High scan motor hours 5. Bad or burned IC's on servo board | 6. Clean linear bearing, 3 in 1 light duty oil. 7. Does it fail during 8. Run scan aging 9. Check y motor and y encoder cable connections 10. Replace scan motor first then maybe servo board. 11. Versacamm - Blown IC 3 or IC 2 near connector CN3- Change both y scan motor and Servo Board. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0050 | 0010 and 0040 occurred at the same time. | | | | SP-300 SP-300V SP-540V | SC-545EX | | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0080 | Scan Motor Overcurrent Error 2 (A little load is put on the motor movement for a long time.) | | | | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0090 | 0010 and 0080 occurred at the same time. | | | | SP-300 SP-300V SP-540V | SC-545EX | | | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0101 | Limit Position Error | Limit Initialization in the Service Mode has not been completed. | Limit Initialization in the Service Mode has not been completed. | 1) Carry out Limit Position Initialize. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0102 | Head Lock Sensor Error | Even though the machine carries out the regular movement, the output of the Head Lock Sensor doesn't detect the print carriage properly. | Head Lock Sensor does not work correctly or is broken. | 1) Run sensor check in Service mode (print carriage home position) "H" must turn on and off. 2) Head Lock Sensor Replacement 3) Check the mechanical backlash in the scan motor gears. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0103 | Limit Sensor Error | Even though the machine carries out the regular movement, the output of the Limit Sensor does detect the cutter carriage home position. | Limit Sensor does not work correctly or is broken. | 1) Run sensor check in service mode. "O" must turn on and off 2) Limit Sensor Replacement 3) Check the mechanical Backlash in the scan motor gears. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | | |
| 0104 | Cap Unit Protection Error | Even though the machine begins to perform cap movement, the error occurs. | Capping unit binding, jammed up or down Bad cap home sensor Cap motor or belt problem Cut-line or short-circuit of Cable and Flexible Cable | 1) Cycle power again or use pipe tool, check for binding, jammed. 2) Check cap sensor, in sensor check mode. "c". Clean or replace. 3) Motor pulley flange separated, belt came loose. 4) Check wiring to cap motor and sensor. 5) If it binds continuously with pipe tool, replace worm gear. 6) Replace cap stepper motor | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0105 | Tool Carriage Connection Error | Machine fails to connect the Tool Carriage to the Head Carriage. | Faulty tool carriage connection Loose Connection, lock assembly Fault of the Limit Position Initialize value. Limit Sensor does not work correctly or is broken. | 1) Check the mechanical Backlash in scan motor gear or drive wire. 2) Lock Position Adjustment 3) Limit Position and Cut Down Position Initialize 4) Limit Sensor check or replacement | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | | |
| 0106 | Tool Carriage Disconnection Error | Machine fails to disconnect the Tool Carriage from the Head Carriage. | Limit Position initialize, head carriage not locked. Loose Connection in scan axis. Disorder of Cap Motor Limit Sensor does not work correctly or is broken. | 1) Check the mechanical backlash in scan motor, or drive wire. 2) Lock Position Adjustment 3) Limit Position and Cut Down Position Initialize 4) Limit Sensor Replacement | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | | |
| 0107 | Unset up of the Linear Encoder | Linear Encoder Setup has not been done. | Linear Encoder Setup has not been done. | 1) Carry out Linear Encoder Setup. | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0108 | Wiper Unit Protection Error (Height) | Wiper Height. Mist Pad assembly sensor doesn't trigger. | Wiper Height Sensor issue Faulty Wiper Unit movement Cut-line or short-circuit of Cable and Flexible Cable | 1) Wiper height sensor check, service mode "h". Clean or replace faulty sensor. 2) Wiper Unit movement, check for binding 3) Cable and Flexible Cable Replacement 4) Bad wiper height stepper motor | | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | |
| 0109 | Wiper Protection Error | Wiper assembly movement problem | Wiper Unit binding Wiper Origin Sensor Poor timing belt tension. Cut-line or short-circuit of Cable and Flexible Cable | 1) Clean wiper shaft to eliminate binding 2) Check wiper origin sensor in sensor check mode "w". Clean or replace faulty sensor. 3) Retension the timing belt. 4) Cable and Flexible Cable Replacement 5) Wiper Origin motor replacement | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0110 | Linear Encoder Error | Linear Encoder misreads encoder strip. | Read error of Linear Encoder Read error of Encoder on Scan Motor side Wire is not attached properly to Head Carriage wire slips, print only machine | 1) Confirm whether Encoder Scale is between the slit of Encoder Module. 2) Clean Linear Encoder strip and sensor. 3) Confirm Connection between drive wire and head carriage. Print only machine. 4) Confirm Cable Connection between Linear Encoder Board and Print Carriage Board. 5) Bad scan motor | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | FJ-540 SJ-540 SJ-640 SJ-740 | SJ-645 SJ-745 | SJ-1000 SJ-1045 |
| 0111 | Tool / Crop Error | This error occurs when the machine performs the Auto Crop Mark Detection or the Auto Print/Cut adjustment without the Tool/Crop Mark Sensor Adjustment. | Tool / Crop Mark Sensor Adjustment has not been performed. | 1) Tool / Crop Mark Sensor Adjustment | SP-300 SP-300V SP-540V | SC-545EX | CJ-540 SC-540 SC-540EX | | | |
| 0120 | Thermistor Error (Print Heater) | Thermistor of the Print Heater doesn't work correctly. | Thermistor of the Print Heater is broken. There is a cut-line/short in the wiring of the Thermistor. | 1) Check the wirings of Print Heater 2) Thermistor Replacement | SP-300 SP-300V SP-540V | | | | | SJ-1000 SJ-1045 |
| 0121 | Thermistor Error (Dryer) | Thermistor of the Dryer doesn't work correctly. | Thermistor of the Dryer is broken. There is a cut-line/short in the wiring of the Thermistor. | 1) Check the wirings of Dryer 2) Thermistor Replacement | SP-300 SP-300V SP-540V | | | | | SJ-1000 SJ-1045 |
| 0122 | Thermistor error (Pre-heater F) | The abnormalities of a thermistor for Pre-heater F | The device is abnormal. The thermistor wiring has short-circuited or come down. | Checking the wiring Thermistor replacement | | | | | | SJ-1000 SJ-1045 |
| 0125 | Heater Error (Print Heater) | Print Heater doesn't work correctly. Temperature of the Print Heater is over 60 degree Celsius. | There is a cut-line/short in the wiring of the Print Heater. Thermostat is broken. Thermistor is broken. | 1) Check the wirings of Print Heater 2) Thermostat Replacement 3) Thermistor Replacement | SP-300 SP-300V SP-540V | | | | | SJ-1000 SJ-1045 |
| 0126 | Heater Error (Dryer) | Dryer doesn't work correctly. Temperature of the Dryer is over 60 degree Celsius. | There is a cut-line/short in the wiring of the Dryer. Thermostat is broken. Thermistor is broken. | 1) Check the wirings of Dryer 2) Thermostat Replacement 3) Thermistor Replacement | SP-300 SP-300V SP-540V | | | | | |
| 0127 | Heater error (Pre-heater F) | The abnormalities of a heater The temperature of the pre-heater F has reached 60 degree C or higher. | The heater wiring is abnormal. The thermo regulator is abnormal (not work). | Heater check Thermoregulator check | | | | | | SJ-1000 SJ-1045 |
| INTERNAL ERROR CODE | MEANING | CONTENTS | CAUSE | ACTION | REPORTED ON MODELS | | | | | |
| 0000007 0000009 0000015 | | All similar problems of the program | | REFER TO NOTE NUMBER 1 | SC-540 | | | | | |

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|--------------------|---|--|---|--|------------------------------|
| 0000008 | | Occurs when the program on the machine side fail to write an address. | | We assume that the Main board could have a problem. Please replace the Main board to check the result. | |
| 0070075 | | It means [no memory]. It is not enough for processing the print data | | 1. Get Parameters using the peck tool 2. Please carry out the SYSTEM PARAMETER INITIALIZE. 3. Put parameters back into the main board using the peck tool 4. Please carry out the LIMIT POSITION and CUT DOWN POSITION INITIALIZE. | |
| 0450192 | | Couldn't turn off by Sub-power button. | | Might be a bad main board | FJ-500 |
| 0730500 | | Internal error 0730500 shows up when the su CPU on the Servo board is defective | | It should be solved by replacing the Servo board. | |
| 0780573 | | 0780573 is caused when the initializing of CPU on Servo Board is not performed correctly during upgrading the firmware. | | 1. Bad-contact in the cable between Main Board and Servo Board 2. Please download the parameters from the Main Board by using "Peck.exe" and perform SYSTEM PARAMETER INITIALIZE. After this, please send the downloaded parameters back to the Main Board by using "Peck" 3. Replace the Servo Board with new one. RAM on Servo Board might be defective in this case. | |
| 0871409 | | This error occurs when the relationship of the Head height and the Cap height. If the head height changes during the printing for some reason. | | If the error still occurs, please check the Capping position. In the worst case, the head height sensor could be defective. | |
| 0920146 | | The Internal Error 0920146 occurs when the Limit sensor doesn't detect the bar is OFF the sensor. In other words, the sensor recognizes the bar still remains at the sensor position. | | The limit sensor is broken and it can't detect the bar is OFF the sensor even if the bar is actually OFF the sensor. Please check if the sensor is working properly with the SENSOR CHECK in the service mode. This could happen when the screw fixing the head carriage to the wire is loose | FJ-500 |
| 1040254 | | Occurs when there is some problem in Head Lock Sensor or the detection of Head Carriage. | | REFER TO NOTE NUMBER 4 | SC-540 |
| 1070274 | | Occurs if the Limit sensor doesn't detect the metal print carriage bar at home position | 1. Bad limit sensor 2. Low belt tension 3. Limit position | 1. Perform sensor check, clean or replace defective sensor 2. Belt tension adjustment 3. Limit position & Max scan width initialize | SJ-1000 |
| 1090274 | | Occurs if the Capping Sensor is in the OFF state. The Capping Unit moves up while the Capping Sensor needs to be in the ON state. | | 1. Check if the Capping Sensor works OK. In order to do it, please enter the SENSOR CHECK mode and move up/down the cap manually with the pipe. 2. Move the capping unit up and down in the service mode, and check if it moves smoothly. If there is any problem in the movement, there might be a mechanical problem. | SJ-740 |
| 1090280 | | Occurs if the Limit sensor doesn't detect the metal bar when Capping unit | | The limit sensor is broken and it can't detect the bar is OFF the sensor even if the bar is actually OFF the sensor. Please check if the sensor is working properly with the SENSOR CHECK in the service mode. This could happen when the screw fixing the head carriage to the wire is loose | |
| 1160147 | | Appears when there is a difference in the 2 signals of the position which the Linear Encoder reading. | | Upgrade the Firmware to the latest version | SJ-740 |
| 1240268 | | Occurs when there is some problem in reading the position with the Encoder of the Scan Motor or the Linear Encoder Scale. | | 1. Linear encoder setup Please perform the Linear encoder setup in reference to the service note [4-10 LINEAR ENCODER SETUP]. If it fails, please see the linear encoder scale and check there is no scratches or dust on it and it is properly attached. If the encoder scale has a scratch on it, it needs to be replaced. 2. Scan Motor replacement | FJ-500 |
| 1310396 | | Code problem when the machine starts printing | 1. Could be F/W issue 2. Possible main brd issue | REFER TO NOTE NUMBER 1 | FJ-500 |
| 1380170 1390170 | | Appears when the head driving process is not completed correctly. The linear encoder problem can be a cause of the problem. If you found the LINEAR ENCODER SETUP failed, it is highly possible the problem is caused by the linear encoder or something related to it. | | REFER TO NOTE NUMBER 2 | SP-300 SP-300V SP-540V |
| 1390189 | | Appears when the head driving process is not completed correctly. The error should be caused by the linear encoder. | | 1. Backlash of the CARRIAGE MOTOR GEAR and the DRIVE GEAR. 2. Loose connection between the CARRIAGE and the CARRIAGE WIRE. 3. Bad Contact in the cables. | SP-300 |
| 1550707 | | Appears when the printing process starts even though sheet type (ROLL, EDGE, PIECE) is not selected. It seems to be caused by the firmware problem | | REFER TO NOTE NUMBER 1 | SC-540EX |
| 1650462 | VersaCMM models | Might have failures such as: printer lock up. Set sheet error, possible 0002 CPU error. | 1. IC 4 and IC 9 regulators overheating on the servo board | 1. Replace servo board. | SP-300 SP-300V SP-540V |
| 1660456 | | Occurs during printing operation | | 1. Send the output data to the machine when the secondary power of the machine is off. 2. Turn on the secondary power. 3. Setup the media. 4. An error occurs. Upgrade FW | SJ-740 |
| 1712180 | | Internal error 1712180 is the error that can occur only with Ver.2.0 to Ver.2.2 | Update FW to latest version | REFER TO NOTE NUMBER 3 | SP-300V |
| 1730392 | | | | REFER TO NOTE NUMBER 1 | SC-540 |
| 1730456 | | This error shows up when there is some problem for processing the program. | Could be main board related, using peck tool Get Parameters off main board. SYSTEM PARAMETER INITIALIZE main board. Put parameters into existing main board | REFER TO NOTE NUMBER 1 | |
| | NOTE 1 | NOTE 2 | NOTE 3 | NOTE 4 | |
| | 1. Firmware version 2. What timing does the error occur? Does it occur when the machine performs any specific operation? 3. Frequency of the error 4. Does it occur when printing some specific data? If so, please send me the data. 5. Does it occur under some specific condition? (kind of RIP, version or printing mode and so on) 6. When did the error start to show up? Is it after doing something to the machine? If it is a problem of the hardware, it can be solved by replacing the Main board. | LINEAR ENCODER SETUP fail. 1. Dirt/Scratch on the ENCODER SCALE. 2. Dirt/Scratch on the ENCODER MODULE. 3. ENCODER SCALE is not between the ENCODER MODULE. 4. Backlash of the CARRIAGE MOTOR GEAR and the DRIVE GEAR. 5. Fixation between the CARRIAGE and the CARRIAGE WIRE. 6. Bad Contact in the cables. | 1. Firmware version 2. What timing does the error occur? Does it occur when the machine performs a cutting job after lamination? 3. Frequency of the error 4. Does it occur when printing some specific data? If so, please send me the data. 5. Does it occur under some specific condition? (kind of RIP or printing mode and so on) 6. When did the error start to show up? Is it after doing something to the machine? | 1. Check whether the Head Lock Sensor works correctly or not. 2. Please check the mechanical Backlash or loose with the scanning axes. When you still have Internal error even if you check above points, please check steps 3 - 6 below. This error could also be happened when the Tool carriage disconnection error occurs. 3. Check the mechanical Backlash or loose with the Tool Carriage part. 4. Please perform Lock Position Adjustment. 5. Please perform Limit Position and Cut Down Position Initialize. 6. Please replace the Limit Sensor. | |