e-STUDIO 200L / 230/ 280 Electrical Troubleshooting

Overview

If you are experiencing symptoms such as locked up control panel, dead machine, etc, use the following pages to isolate the problem down to a board or component. Each step builds on the previous step. If you do not get the symptom associated with the step you are on, the problem is associated with the board or components that were just added.

To Begin Troubleshooting

Disconnect all Connectors from the ACC (power supply board) except CN1, CN2, the AC input CN701 and the main switch CN703, LGC (main board), SYS (system board), and SLG (scanner logic board). Measure the following voltage on CN705:

Pin 7 = 12V Pin 9 = -12V Pins 13 ~ 16 = 3.3V Pins 24 & 26 = 5.1V

If voltage is correct carry on to next step, if some or all voltages are not present check the fuses. If fuses are good replace the power supply

*Note – CN1 & CN2 are connected via a jumper on the power supply board, if either connector is left disconnected a C410 error will occur.

Connectors added	**Symptom when MFP is working normally**
Connect only the following connectors (ACC) CN705 (SYS) CN118, CN122	Display locks on splash screen then goes into HDD mount failed
Add HDD (SYS) CN112, CN113	F110 error code
Add (SYS) CN102, CN117 Add (ACC) CN706, CN708 Add (SLG) CN4, CN6 Add (LGC) CN309, CN311	E030 then goes into C280
Add (SLG) CN2, CN19	E030 then goes into C260
Add (SLG) CN1, CN9, Install Platen Glass	E030
Add (LGC) CN304, CN305, CN308	Latch Developer Unit

Connectors added	**Symptom when MFP is working normally**
Add (LGC) CN303	C410
Add (ACC) CN704, Remove and re-install all paper cassettes, make sure they have paper in them • Make sure to reset 08 400 • If F120 occurs perform 08 684 and tray again	Press start – Add Paper
Add (LGC) CN307	Copying then CA10
Add (LGC) CN312, CN313	C010
Add (ACC) CN707	E020
Add (LGC) CN306	Good Copy Produced
Continue to add remaining connectors one at a time until problem is isolated or until machine is fully operational	