

CHAPTER 4: TROUBLESHOOTING

4.1 Troubleshooting – No Power to the Console

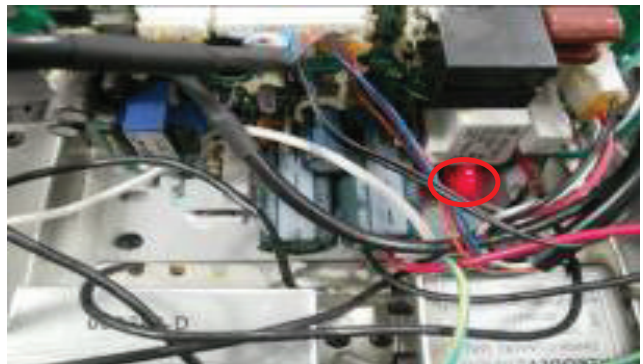
Symptom : The power switch is in the on position, but the console will not turn on.

Reason :

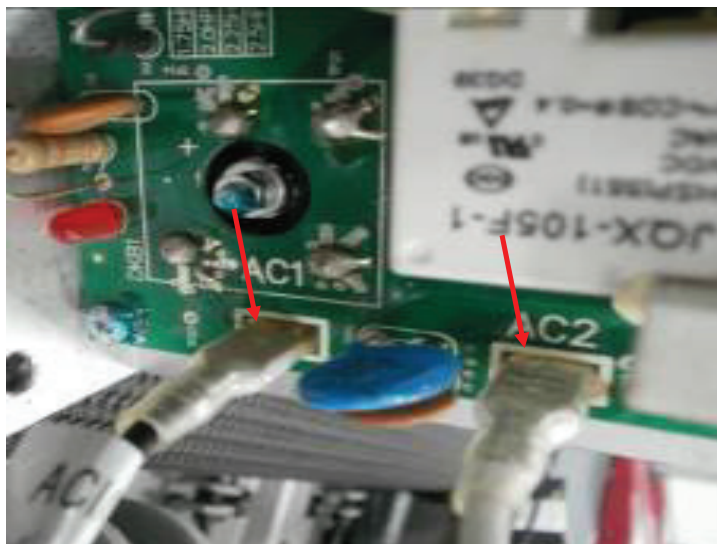
1. The outlet is not providing the correct power, or the power cord / switch is defective.
2. The power receptacle or power wiring to the MCB is defective.
3. The MCB is defective.
4. The console cable or console is defective.

Solution :

1. Check to see if the power switch is lit. If it is not, try a different outlet.
 - a. If the power switch still does not light up with a known good outlet, replace the power switch.
2. Check to see if the MCB has power. There is a red power LED on the MCB that should be lit.



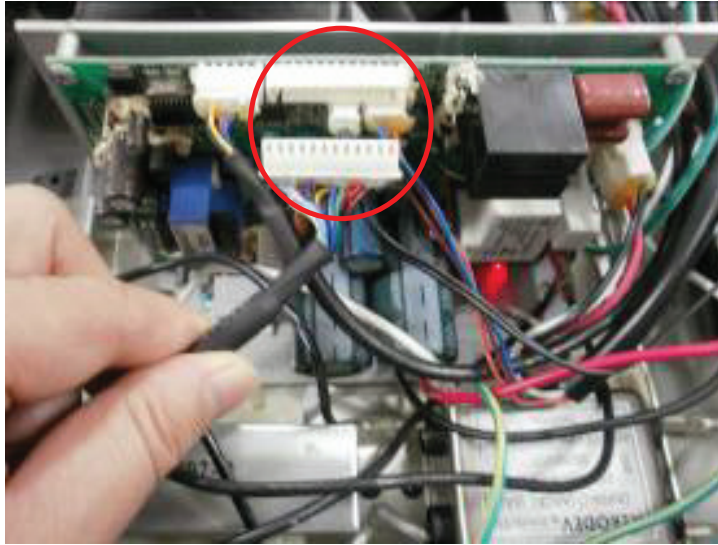
3. If the MCB does not have power, check the connection of the power wiring from the power receptacle to the MCB.
 - a. Use a multi-meter to measure voltage at AC1 & AC2, AC voltage should be the same as local standard voltage (110V-240V).
 - b. If the AC voltage value is standard, replace the MCB as it is defective.



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4.1 Troubleshooting – No Power to the Console – Continued

4. If the MCB does have power, check the connection of the console cable wire at the MCB and UCB.
 - a. Remove the console cable from the MCB, and use a multi-meter to measure the DC voltage between the “GND pin” (Pins 4 & 5) and the “+ 15V Pin” (Pins 7 & 8). DC output is normally around 15VDC. If there is no output, replace the MCB.



- b. If output is around 15VDC, check the console cable for pinches or kinks. If any damage is found, replace the console cable. Disconnect the console cable at the UCB and measure the DC voltage between the “GND pin” (Pins 4 & 5) and the “+ 15V Pin” (Pins 7 & 8). DC output is normally around 15VDC. If there is no output, replace the console cable.



- c. If the console cable connections and voltage are all good, replace the UCB.