DIAGRAM "1A"

Autopilot AC Stepdown Transformer

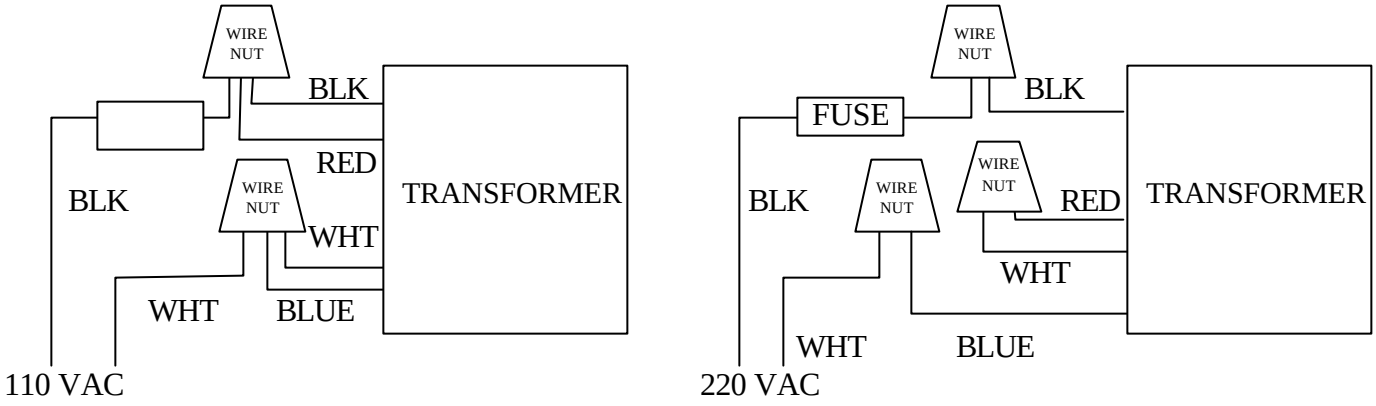
MODEL LS1000 WIRING DIAGRAM

SWIMMING POOL & SPA CHLORINE GENERATOR

LISTED
#1E85

110 - 120 VAC 50/60 Hz. 2.4 Amps or
220 - 240 VAC 50/60 Hz. 1.2 Amps
Use Copper Conductors Only

Unit to be Installed / Serviced by Qualified Service Personnel Only.



MODEL LS2000 WIRING DIAGRAM

SWIMMING POOL & SPA CHLORINE GENERATOR

LISTED
#1E85

110 - 120 VAC 50/60 Hz. 2.4 Amps or
220 - 240 VAC 50/60 Hz. 1.2 Amps
Use Copper Conductors Only

Unit to be Installed / Serviced by Qualified Service Personnel Only.

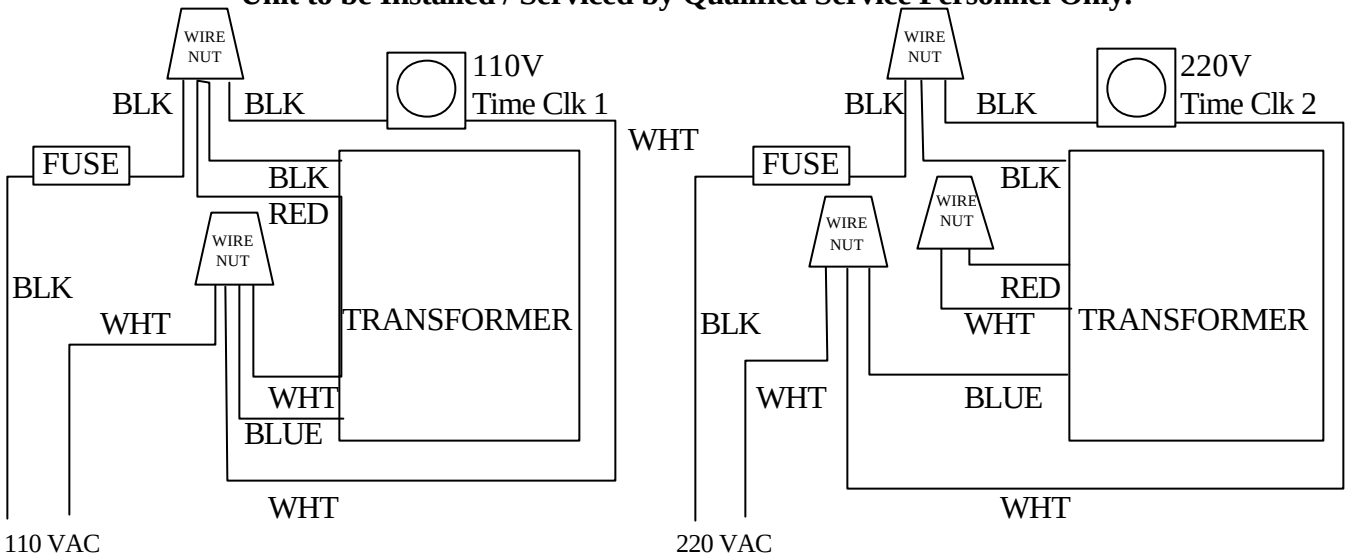


Diagram "1B"

906 WIRE HARNESS

Main Board **Power Board**

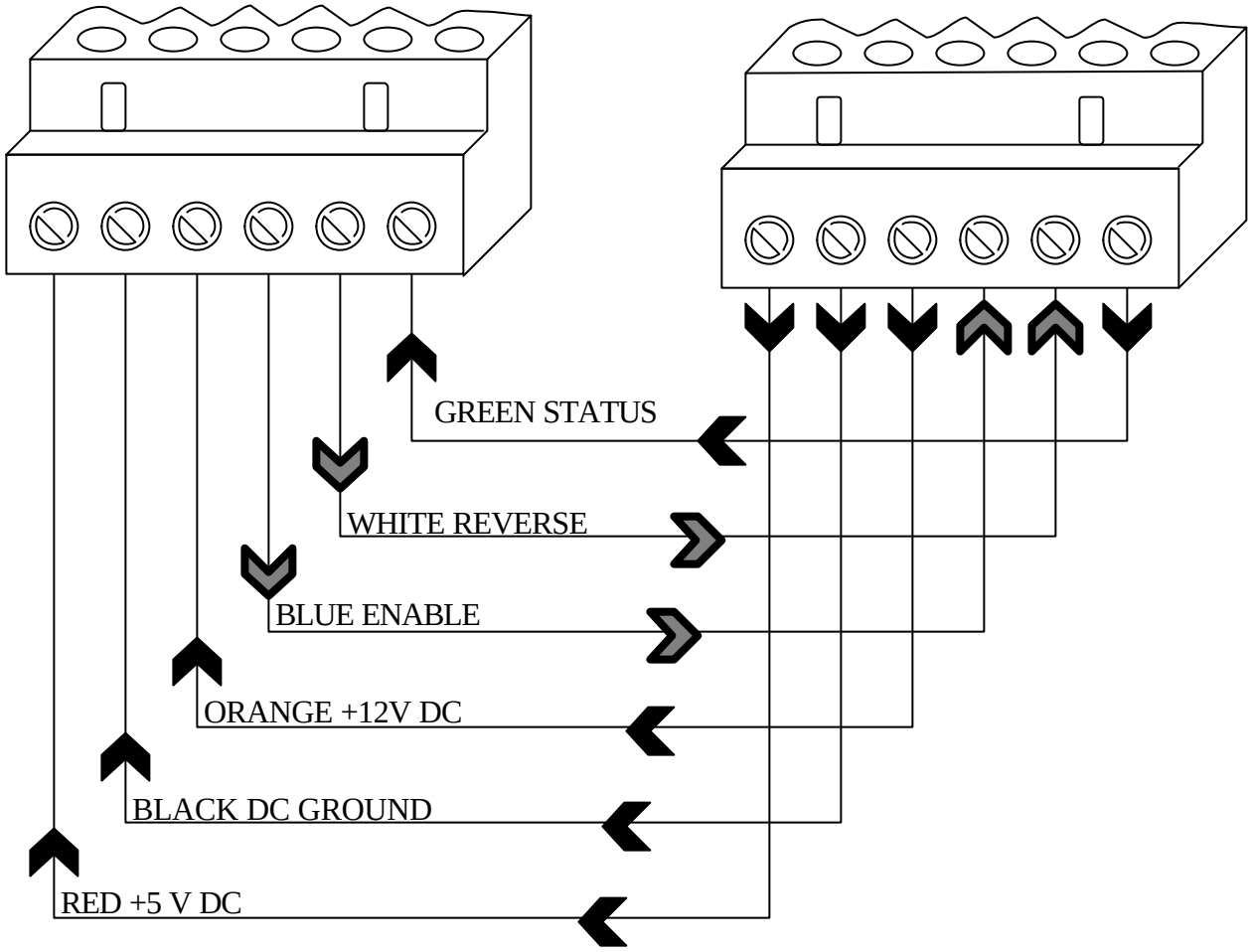
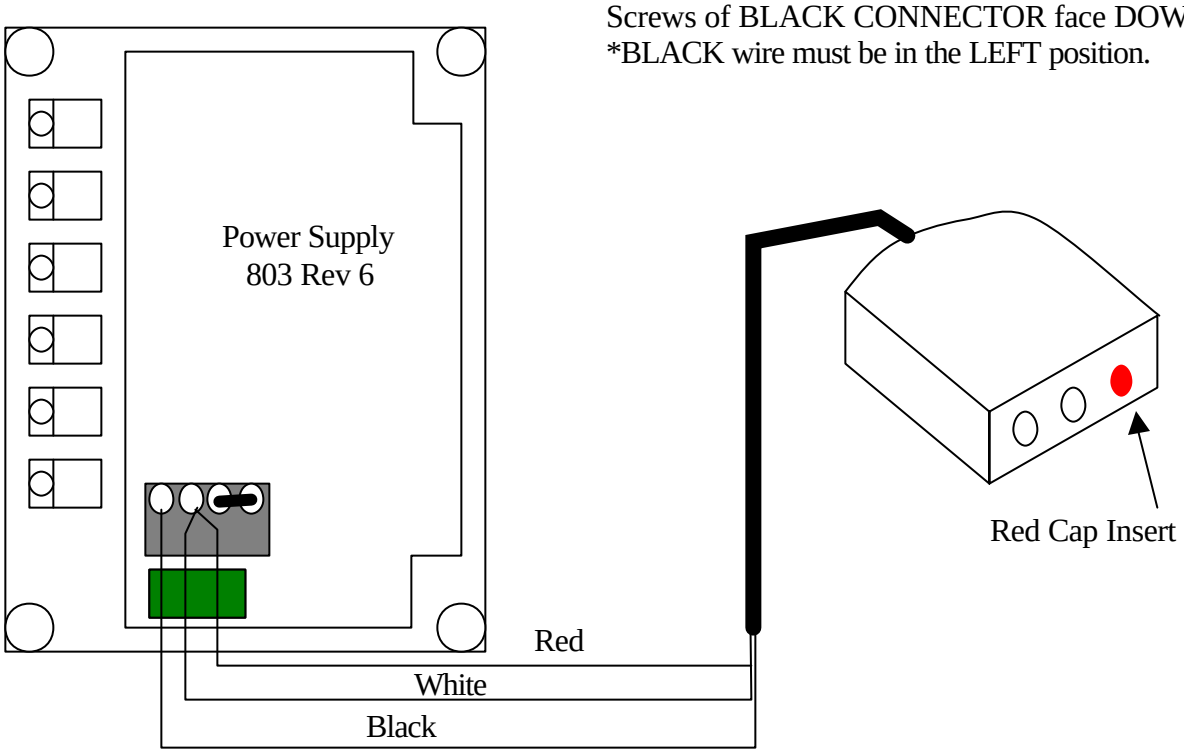


DIAGRAM "1C"

CELL CORD WIRING

RC-7, AP-250 or AP-125 CELL CONNECTION
Screws of BLACK CONNECTOR face DOWN.
*BLACK wire must be in the LEFT position.



RC-15, CC-15 or AP-500 CELL CONNECTION
Screws of GREEN CONNECTOR face DOWN.
*BLACK wire must be in the RIGHT position.

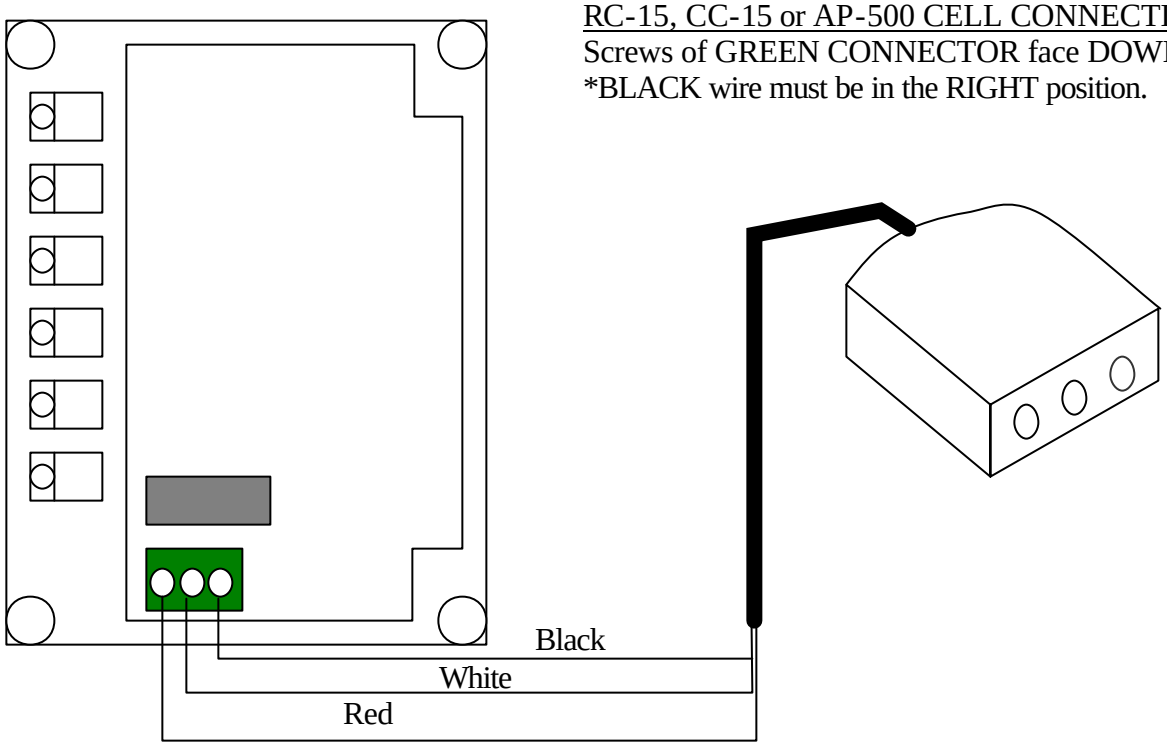
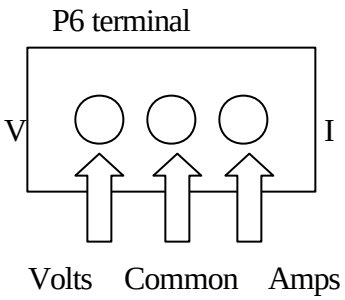


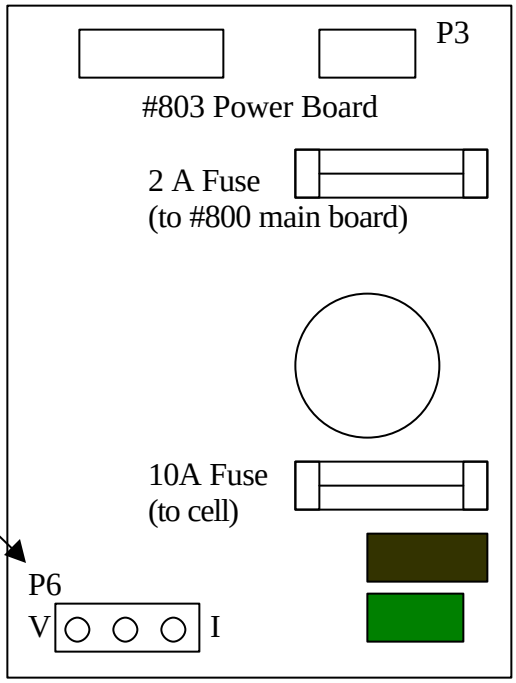
DIAGRAM "1D"

TESTING the #803 with a MULTIMETER

WHEN?
When the Dealer and/or Homeowner do not have a 957 Tester to read the Volts and Amps across the cell, they will need to use a Multimeter.

- The Cell Monitor is located at the bottom left corner of the #803 Power Board as shown.
- The Cell Monitor has three positions:





HOW?
Set the Multimeter on DC Volts
*This will not work if CVC has activated and must be corrected first.

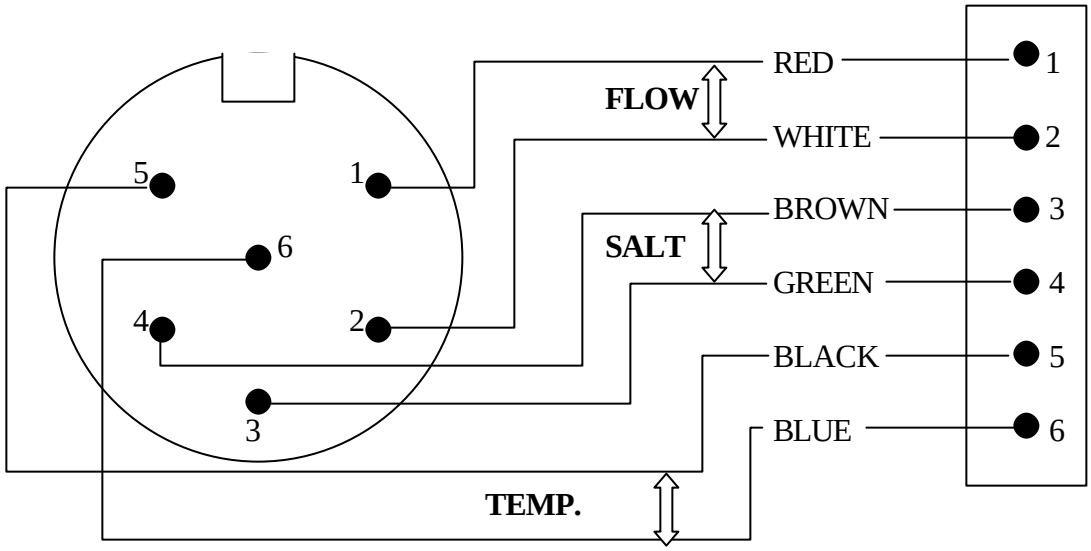
- With the meter on DC Volts and the unit on, take the probes and put one on the common and one on the Volts, then Amps.
- Record the results and compare against this chart.

This shows the volts and amps that the cell is pulling. If you have a RED cell light and do not get any reading from the cell monitor, it is an indication of problems with the power board. Otherwise you should be able to get a reading.

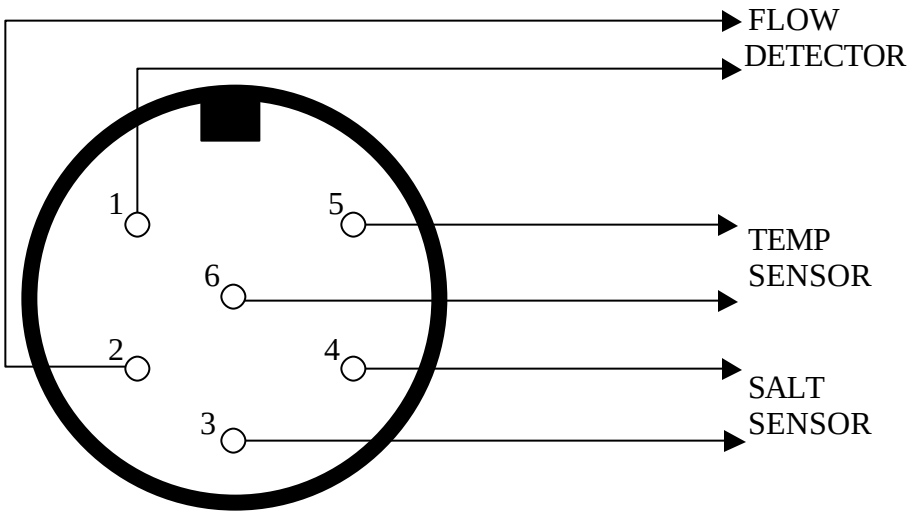
Cell Size	Voltage Range	Amperage Range
RC-7	18 – 27	2.9 – 3.5
RC-15/AP-500	23 – 27	4.8 – 5.3
AP-125	13 – 20	4.8 – 5.3
AP-250	18 – 27	4.8 - 5.3

DIAGRAM "1E"

TRI-SENSOR CABLE / WIRING DIAGRAM



TRI-SENSOR CABLE PLUG
(FEMALE CONNECTIONS)



TRI-SENSOR ASSEMBLY HEAD PLUG
(MALE CONNECTIONS)

NOTE (Perform these tests on the Tri-Sensor Assembly):
- Test for continuity of the FLOW pins by attaching a continuity meter test leads to pins #1 & #2 and manually activating the flow paddle to the center post.

- Test for continuity of the SALT pins by attaching a continuity meter test leads to pin #3 and the **INSIDE** of either of the two the salt blades. Perform same test on pin #4 and the opposite blade.

- Test for resistance on the TEMP pins with a Resistance meter. Range: 900 – 1100 ohms

DIAGRAM "1F"

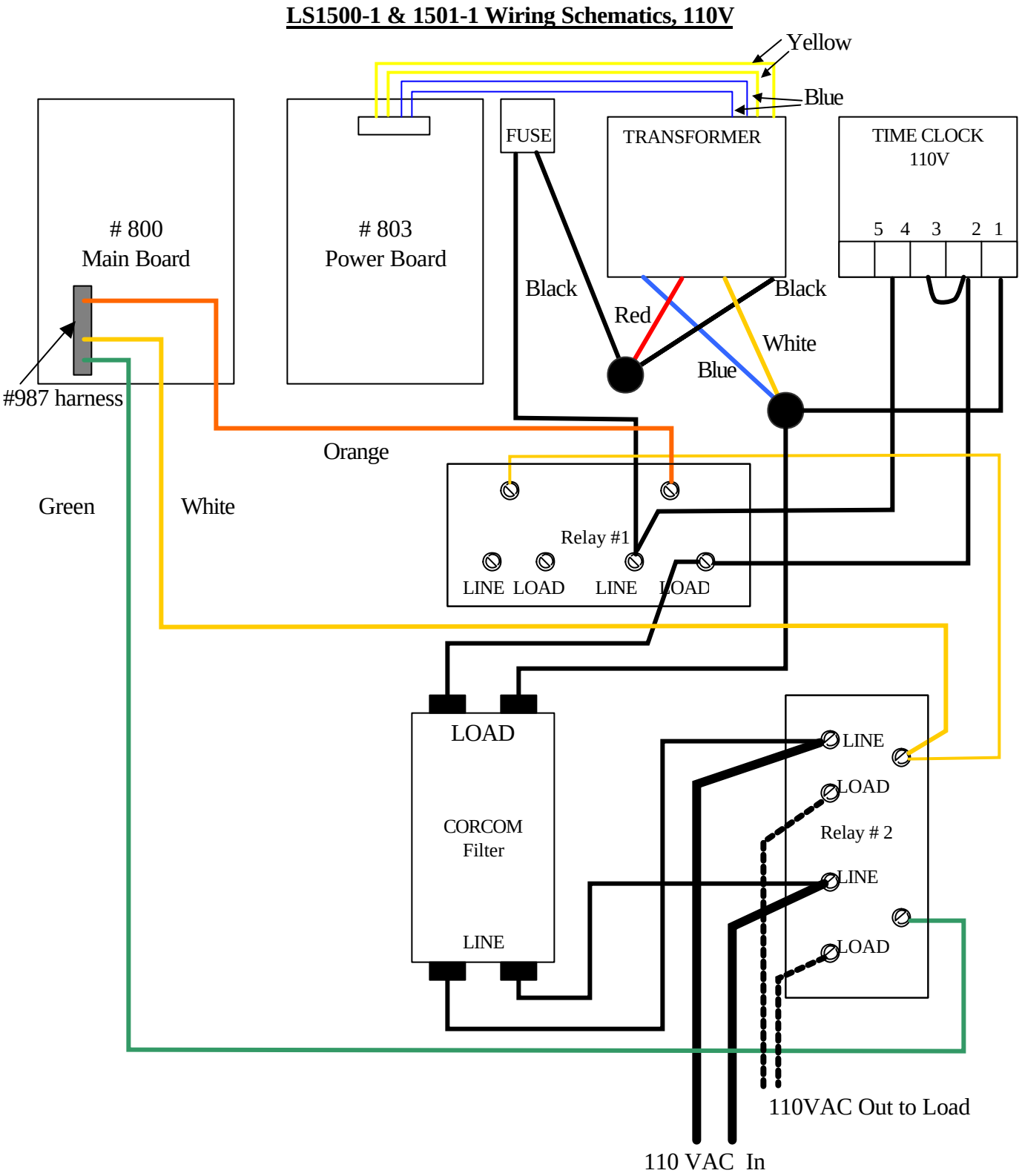

LS1500-1 & 1501-1 Wiring Schematics, 110V
Yellow
Blue
FUSE
TRANSFORMER
TIME CLOCK
110V
5 4 3 2 1
800
Main Board
803
Power Board
Black
Red
Black
White
Blue
#987 harness
Orange
Green
White
Relay #1
LINE LOAD LINE LOAD
LOAD
CORCOM
Filter
LINE
LINE
LOAD
Relay # 2
LINE
LOAD
110VAC Out to Load
110 VAC In

DIAGRAM "1F"

LS1500-2 & 1501-2 Wiring Schematics, 220V

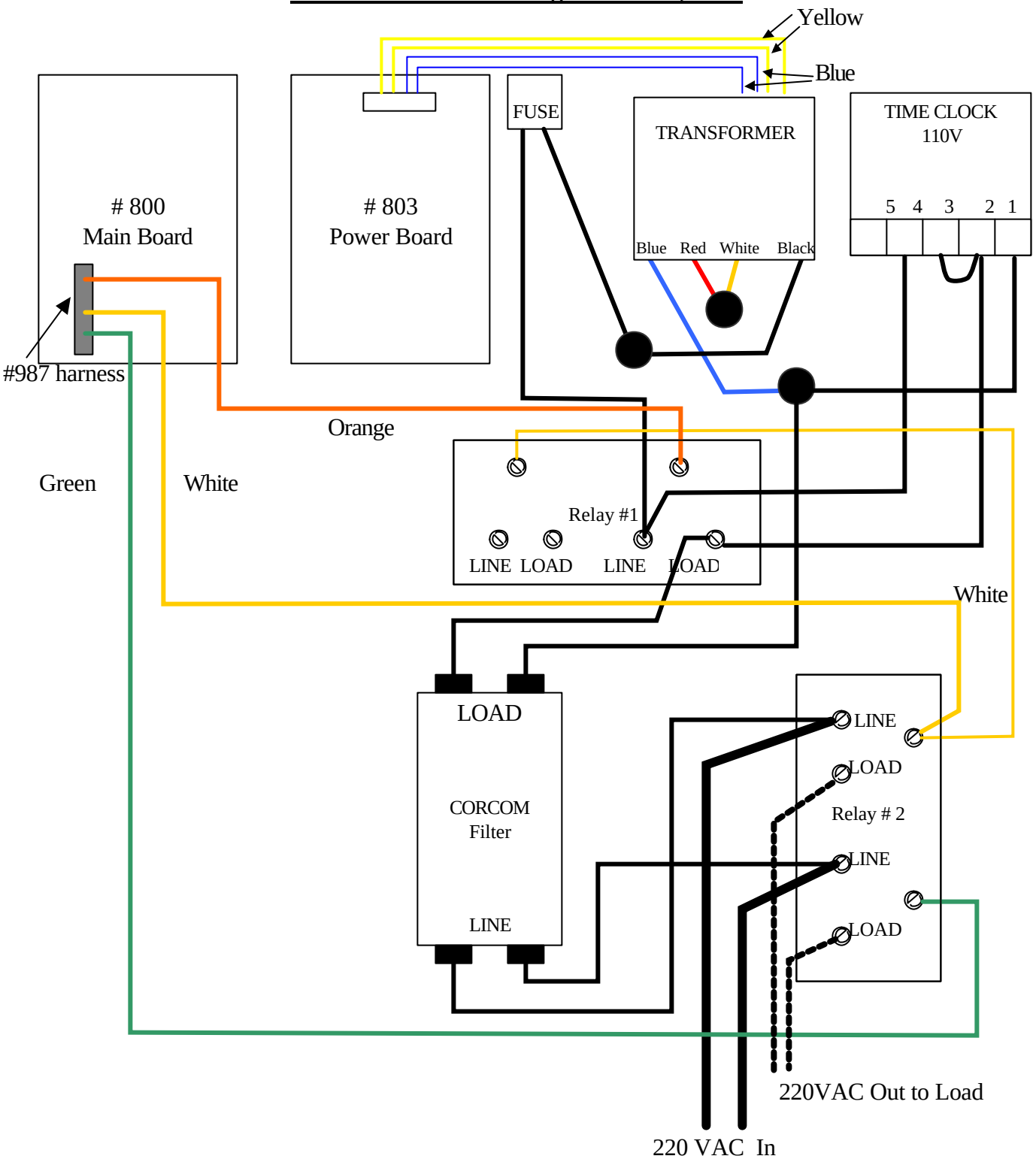


DIAGRAM “1F”

LS1000-1 & 1001-1 Wiring Schematics, 110V

LS1000-2 & 1001-2 Wiring Schematics, 220V

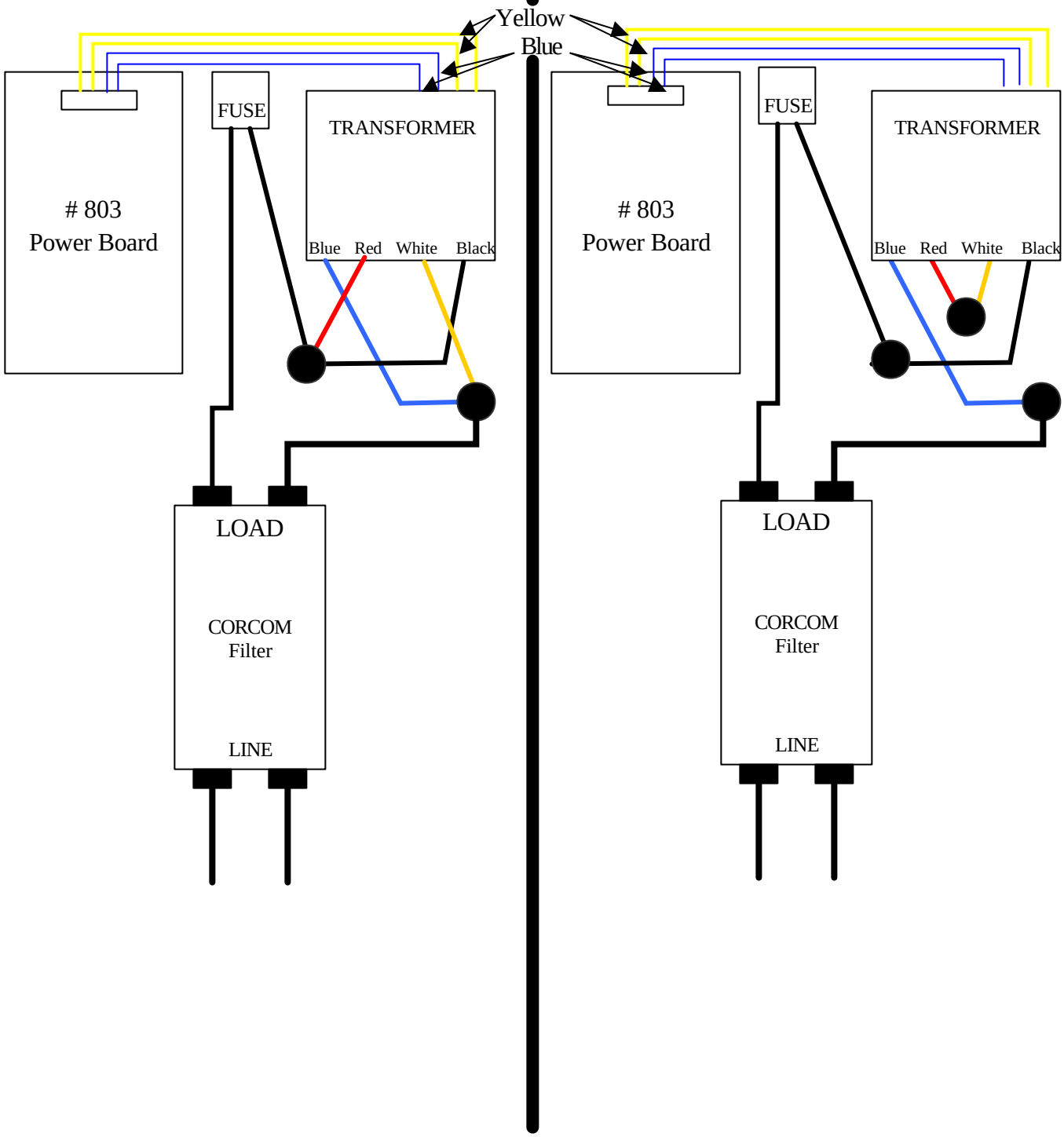


DIAGRAM “1F”

AUTOPILOT LS SERIES COMMAND CENTER WIRING

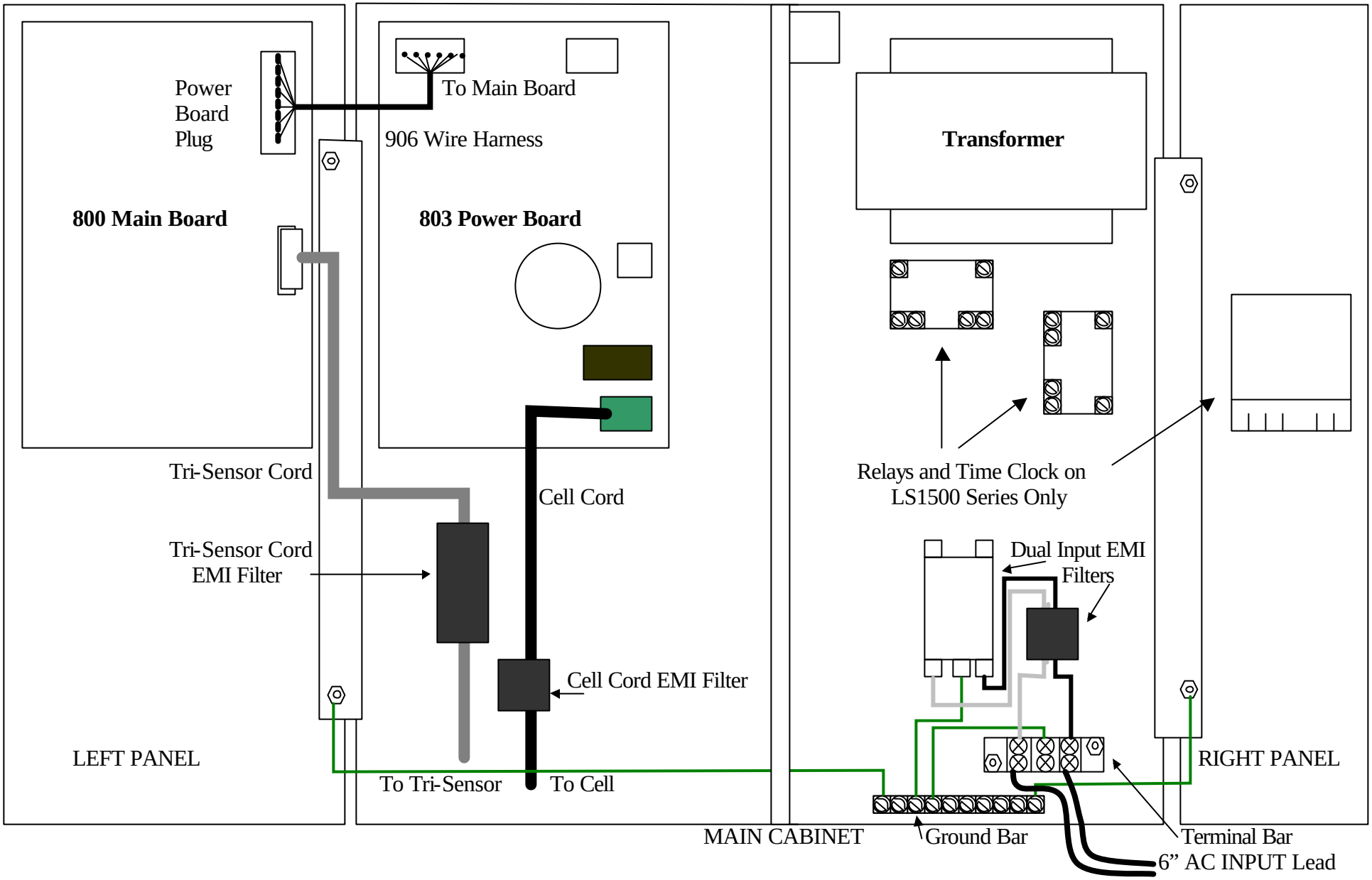
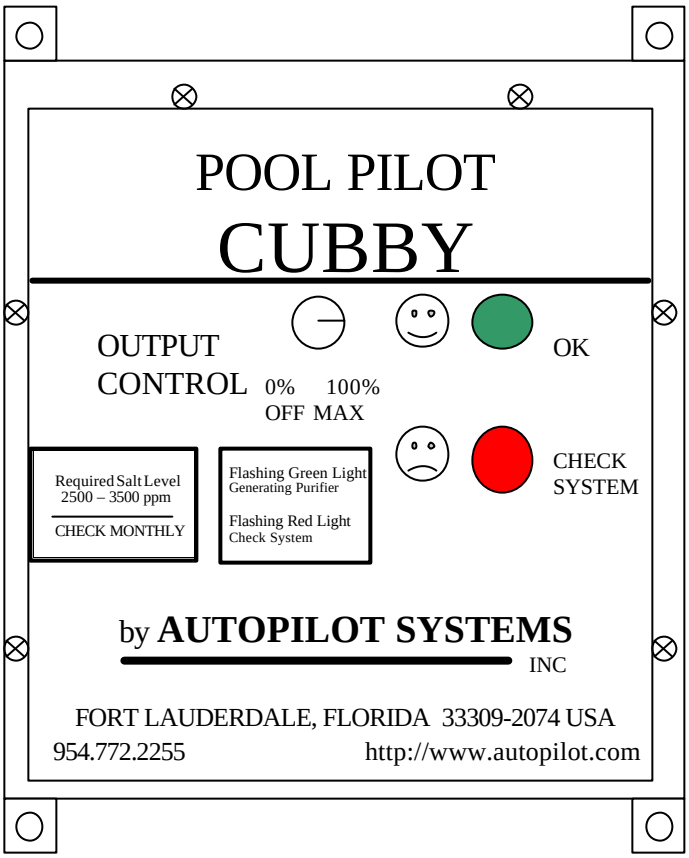


DIAGRAM "2A"

CUBBY JUMPER LOCATION



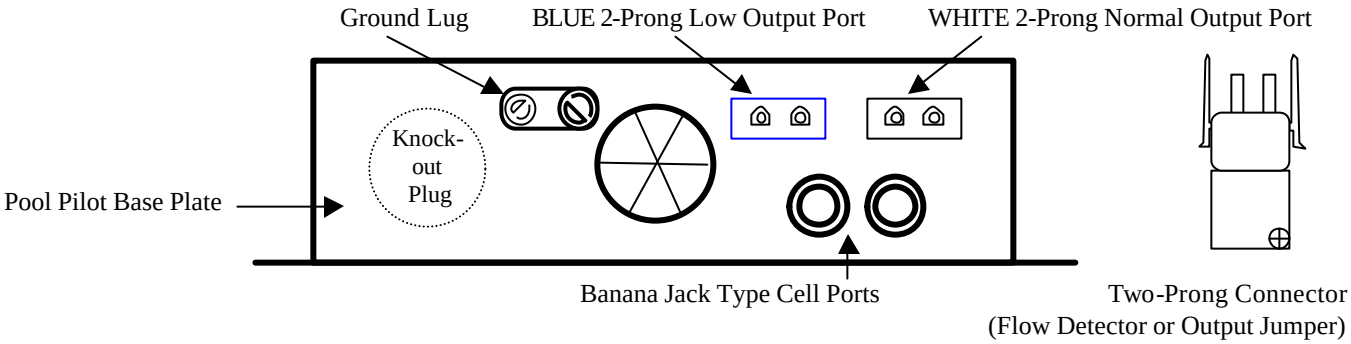
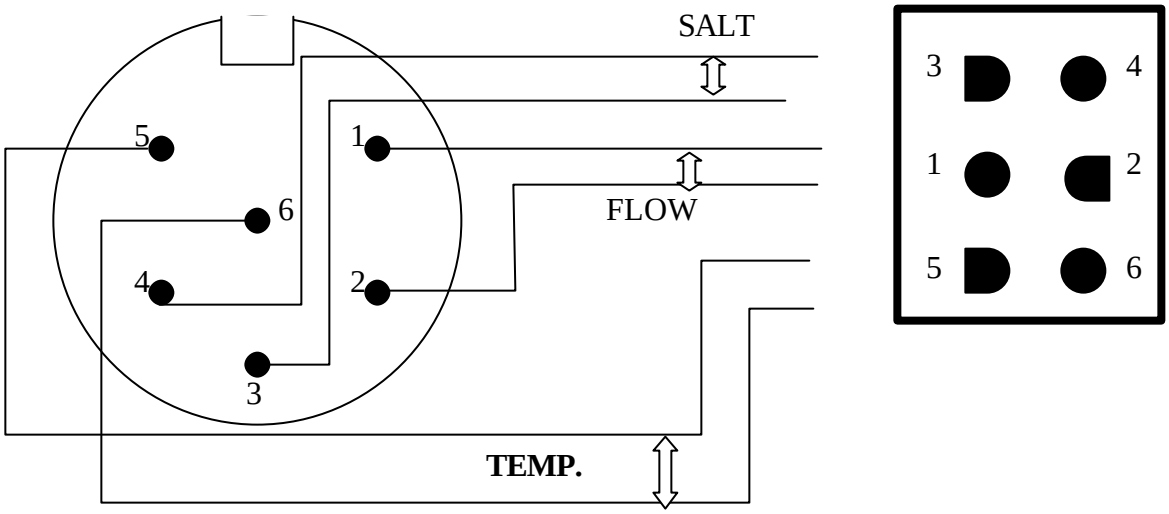
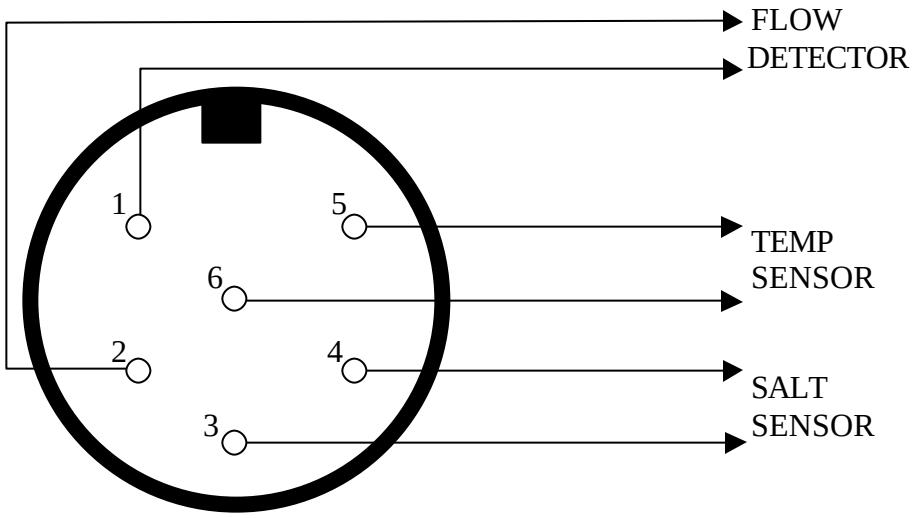


DIAGRAM "4A"

TRI-SENSOR CABLE / WIRING DIAGRAM



TRI-SENSOR CABLE PLUG (as viewed into the plugs)
(FEMALE CONNECTIONS)



TRI-SENSOR ASSEMBLY HEAD PLUG
(MALE CONNECTIONS)

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