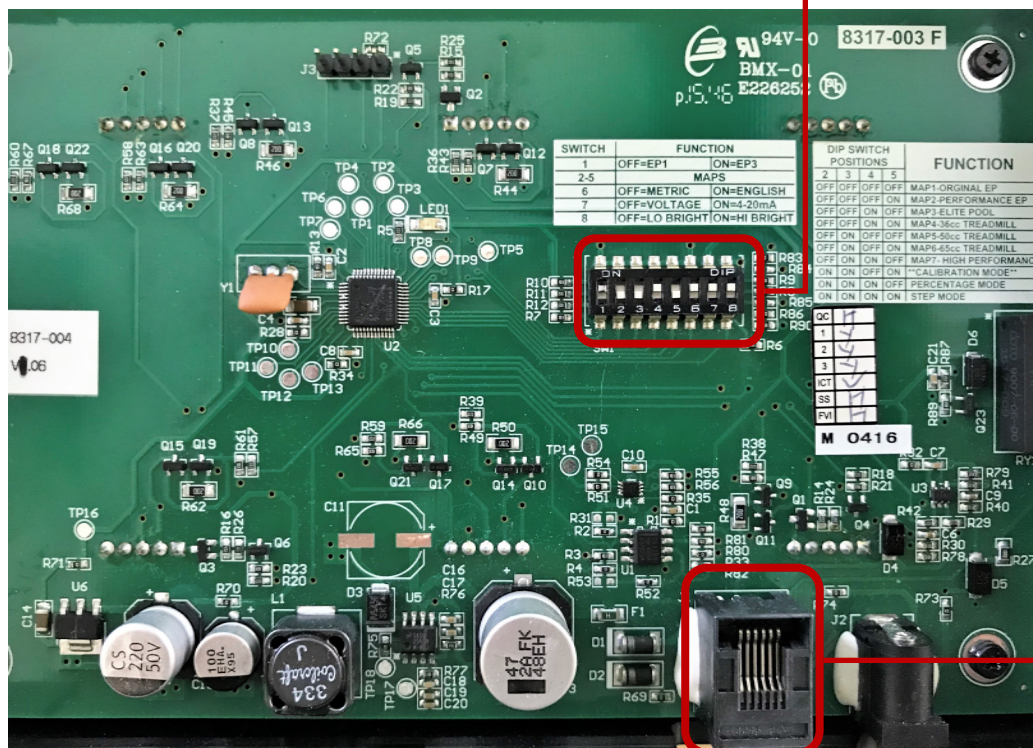


# EP3 Pace Display - General Troubleshooting

## EP3 Pace Display



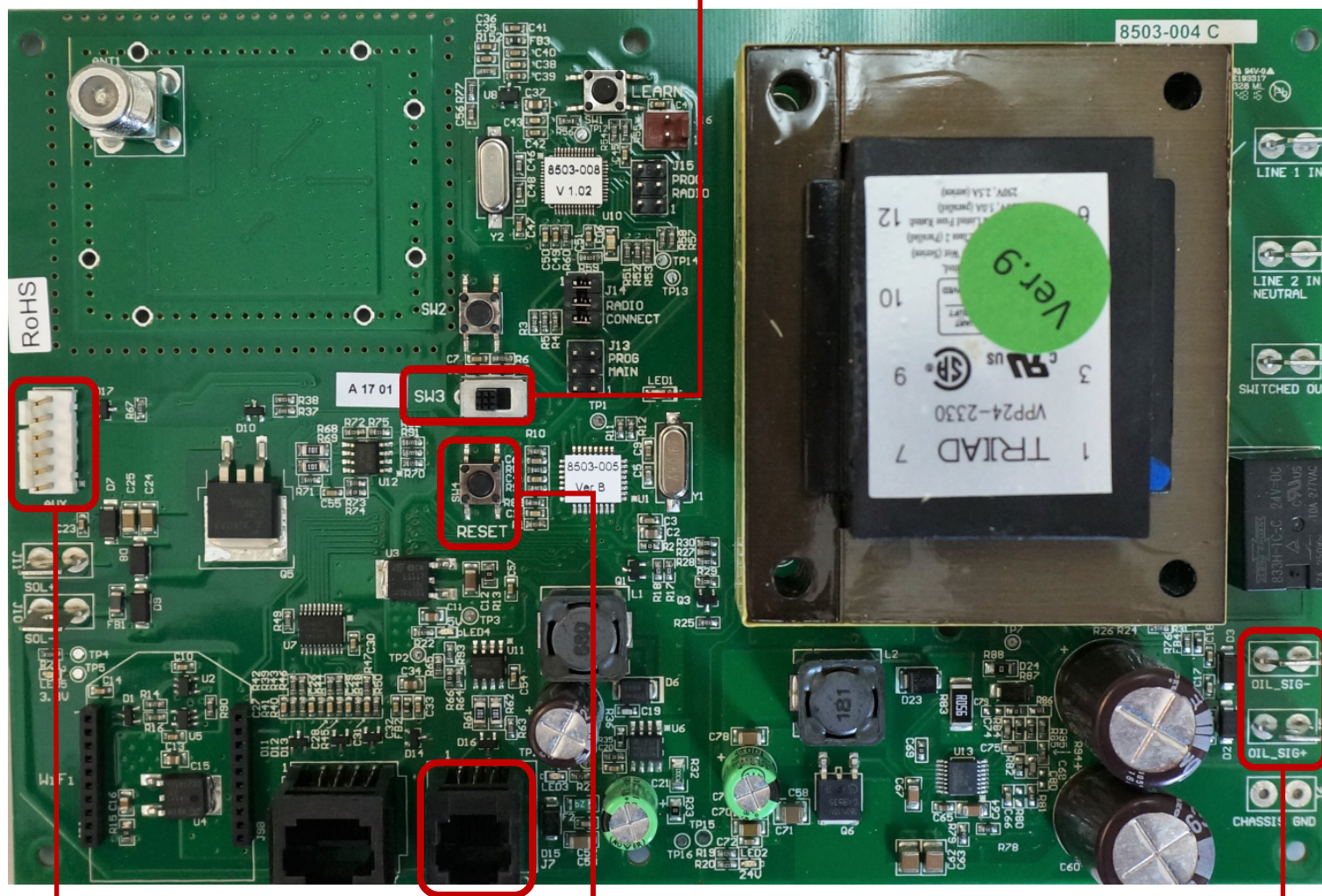
### Dip Switch 1 (ON) Position



# EP3 Pace Display - General Troubleshooting

## EP3 Receiver Board

Pool/Treadmill Switch



Communication Cable  
Connection

Reset Button

Pace Display Phone Cord  
Receptacle

Float level Switch Connections  
(OIL SIG -) & (OIL SIG +)



### EP3 Pace Display - General Troubleshooting

Problem	Probable Causes	Solutions
Pace display screen is blank when the hydraulic power unit is turned on	<ul style="list-style-type: none"> <li>Disconnected or loose phone cord at the phone cord receptacle on the display or receiver board.</li> <li>The incorrect phone cord was installed (crossover phone cord was installed instead of straight phone cord. See determining the proper pace display cord on page 5).</li> </ul>	<ul style="list-style-type: none"> <li>Verify the phone cord is connected to the phone cord receptacle on BOTH the pace display and receiver board.</li> <li>Install the appropriate phone cord (straight 6 conductor phone cord).</li> </ul>
Pace display screen is displaying 3 dash lines	<ul style="list-style-type: none"> <li>The phone cord was plugged into the phone cord receptacle on the receiver board after the controller was already powered.</li> <li>Defective phone cord receptacle on the receiver board.</li> <li>The pace display has a 4 pin phone cord receptacle (would apply to a customer who is upgrading from an EP1 to an EP3 and has an older model pace display equipped with a 4 pin phone cord receptacle).</li> </ul>	<ul style="list-style-type: none"> <li>Press the "RESET" button on receiver board or reset the breaker supplying power to the pool equipment. Allow 2-3 minutes for the controller to reboot.</li> <li>Replace receiver board</li> <li>Replace the pace display kit (6 pin phone cord receptacle)</li> </ul>
Incorrect pace display maps being displayed	<ul style="list-style-type: none"> <li>The pool/treadmill switch on the receiver board is in the incorrect position.</li> </ul>	<ul style="list-style-type: none"> <li>Set the pool/treadmill switch <b>towards</b> the SW3 for a swim current and <b>away</b> from the SW3 for a treadmill. Press the "RESET" button on the receiver board or reset the breaker supplying power to the pool equipment. Allow 2-3 minutes for the controller to reboot.</li> </ul>
Pace display screen is displaying 7:00	<ul style="list-style-type: none"> <li>Dip switch 1 located on the internal board of the pace display is in the incorrect position.</li> </ul>	<ul style="list-style-type: none"> <li>Set dip switch 1 in the ON or UP position. Press the "RESET" button on the receiver board or reset the breaker supplying power to the pool equipment. Allow 2-3 minutes for the controller to reboot.</li> </ul>

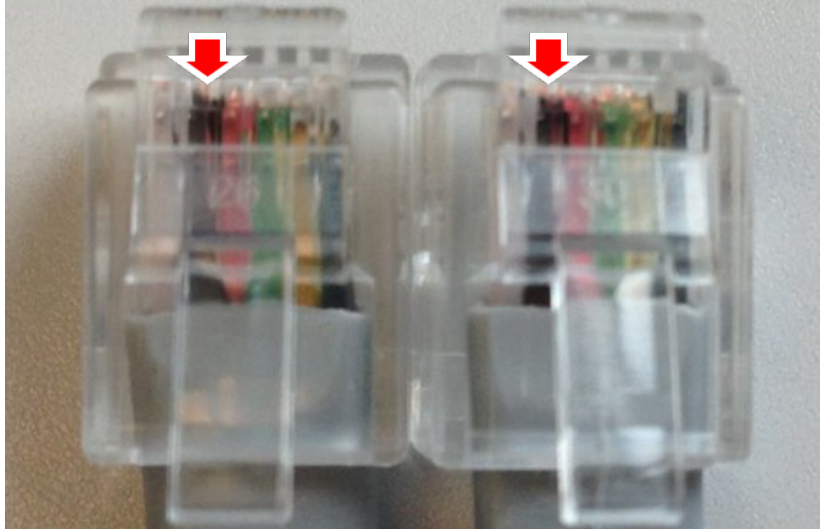
### EP3 Pace Display - General Troubleshooting

Problem	Probable Causes	Solutions
Pace display screen is displaying E01	<ul style="list-style-type: none"> <li>• Disconnected or loose board to board communication cable.</li> <li>• Damaged board to board communication cable.</li> <li>• Damaged board to board communication cable connector on the receiver board.</li> </ul>	<ul style="list-style-type: none"> <li>• Verify the board to board communication cable is secured to the communication cable connector on BOTH receiver boards.</li> <li>• Inspect communication cable and replace if damaged.</li> <li>• Inspect communication cable connector pins on BOTH receiver boards and replace receiver board if pins are bent.</li> </ul>
Pace display screen is displaying E02	<ul style="list-style-type: none"> <li>• The pool/treadmill switch on swim current and treadmill receiver boards are set the same way.</li> </ul>	<ul style="list-style-type: none"> <li>• Set the pool/treadmill switch <b>towards</b> the SW3 on the swim current receiver board and <b>away</b> from the SW3 on the treadmill receiver board.</li> <li>• Press the "RESET" button on receiver board or reset the breaker supplying power to the pool equipment. Allow 2-3 minutes for the controller to reboot.</li> </ul>
Pace display screen is displaying E03	<ul style="list-style-type: none"> <li>• Open float switch circuit</li> </ul>	<ul style="list-style-type: none"> <li>• Verify hydraulic fluid level in the hydraulic power unit reservoir. Add hydraulic fluid if necessary. Press the "RESET" button on receiver board or reset the breaker supplying power to the pool equipment. Allow 2-3 minutes for the controller to reboot.</li> <li>• Verify the float level switch connections are secured to the receiver board (black wire to SIG – and white wire to SIG +)</li> <li>• Remove the cord attached to the float level switch and verify continuity between the parallel male prongs of the float level switch. If no continuity, replace float level switch.</li> </ul>

## EP3 Pace Display - General Troubleshooting

### Determining Proper Pace Display Cord

**STRAIGHT PHONE CORD**  
**WIRES ARE NOT MIRRORED**



**CROSSOVER PHONE CORD**  
**WIRES ARE MIRRORED**

