

# **BRETT AQUALINE TECHNICAL BULLITIN**

## **BL-46 SPA LIGHT CIRCUIT REVISION**

September 11, 1998

### **DESCRIPTION:**

The model BL-46 spa light output has been changed from a transistor-controlled output to a relay controlled output. This product enhancement reduces voltage losses of the transformer-controlled output resulting in a brighter spa light. This change effects both the circuit board and the spa-side control and results in **an incompatibility between older and newer circuit boards and/or spa-side controls**. Should either a revised spa-side or circuit board be connected to a pre-revision spa-side or circuit board, the spa light will operate inversely (light on when should be off, light off when should be on).

### **PRODUCT EFFECTED:**

Revised product can easily be identified by the revision suffix "-A" at the end of the product catalog number (circuit boards with part number *34-5025-A* and serial numbers 9822 and higher and spa-side controls with part number *24-4811-05L-A, 24-4811-05L-AP-A, 24-4811-05L-MS-A, or 24-4811-05L-SB-A* and serial numbers 98289 and higher).

### **CORRECTIVE ACTION:**

When replacing older circuit boards (serial numbers 9821 or lower), if the spa side control is not a revision "A" it should be replaced with a revision "A", along with the circuit board.

When replacing older spa-side controls (serial numbers 98288 or lower), a programming option has been added to the revision "A" spa-side control to permit connection of a revision "A" spa-side control to an older, non-revision "A" circuit board. To convert a newer revision "A" spa-side control to work with an older, non revision "A" circuit board:

1. Press and hold the LIGHT touch pad down for about five (5) seconds, the display will then show the current filtration cycle (0 to 12 or 24 hours).
2. Press and release the LIGHT button again, the display will show time remaining in filtration cycle.
3. Press and hold the LIGHT touch pad down for about ten (10) seconds, or until the display shows either "1o" or "1f". This is factory program option number one (1).
4. Press and release the LIGHT touch pad several times until the display shows factory program option number nine (9).
5. Press and release the TEMP button to change option number nine (9). If set to "f" or OFF, the spa-side control will operate with a newer revision "A" circuit board. If set to "o" or ON, the spa-side control will operate with an older non-revision "A" circuit board.
6. Press and release the LIGHT touch pad again to store programming options and return to normal operation.
7. Confirm correct operation of the spa light.