

GFCI Trip Test

The Balboa circuit boards in the 2007 Bullfrog line are programmed with Balboa's software revision #28. This software version is equipped with a new safety feature, the GFCI Trip Test. The GFCI Trip Test is designed to verify that the spa is correctly wired to a GFCI. Balboa has created this test to help protect the spa that in the event of a severe breakdown of certain components on the circuit board that could cause the spa to overheat the board trips the breaker instead of running out of control. This test must be performed by either the dealer or the electrician or the spa will not function properly. Printed instructions on how to reform this test will be attached to electrical control box in the spa.

****THE ELECTRICAL INSTALLER MUST PERFORM THIS TEST AFTER WIRING THE SPA TO ENSURE PROPER SPA FUNCTION. USE THE INSTRUCTIONS BELOW:**

1. Turn the power on to the spa. The control panel display will show "prime mode" (pr). Press the "Temp" (or "Warmer") button to exit the "pr" mode. The display will show "F" for degrees Fahrenheit.
2. Press "**Temp**" or "**Warmer**", then "**Jets 1**", then "**Light**" (Note: press the button sequence within three seconds). Press the "**Temp**" (or "**Warmer**") button repeatedly until gFC is displayed. Press "**Jets 1**" to select this test.
3. Press the "**Temp**" (or "**Warmer**") button until Gt.n is displayed. Press "**Jets 1**" to initiate the GFCI Trip Test. The GCI should trip within several seconds and the spa should shut down. If it does not, shut down the power and manually verify that a GFCI breaker is installed and that the circuit and spa are wired correctly, then repeat the test starting with step 1.
4. Verify a successful GFCI test by navigating to the gFC item as described in Step 2 above, press "Jets 1" and then press the "Temp" (or "warmer") button until you see gS.P, signifying "GFCI Status – Passed". The system will exit this menu in 30 seconds if no buttons are pressed.
5. If the spa is not filled with water, immediately turn GFCI breaker off until spa owner fills the spa. After passing the GFCI Trip Test, subsequent GFCI trips will indicate a ground fault or other unsafe condition requiring the power to the spa to be shut off.

If the test is not run manually the spa will run it within the first 24 hour after the initial power on of the spa. If the spa is properly connected it will trip the GFCI breaker and pass the test. After the spa is powered back up it will operate normally.

If the spa is not properly connected, the spa will enter a fault condition and gFI will appear on the topside display. While gFI is displayed the topside control will not operate, but the freeze protection is still active. The gFI fault will display until the power is reset. After power-up following a failed test, the system will reset and the test will run again within 24 hours. The test will continue to try and trip the GFCI breaker until it passes; this may result in the electrical installer being called out for an unnecessary repair, which would not be a warranty issue.