



THE WATER'S EDGE™

SYSTEM TROUBLESHOOTING PROCEDURES

POSSIBLE CAUSE OF TROUBLE	CHECK PROCEDURES	CORRECTIVE ACTION
A. Spray pattern not to specification	Remove both nozzle and pump and disassemble	Remove any debris found Replace any leaking gaskets
B. Unit does not start	Determine if voltage is present and is correct. Voltage must be within +/- 10% of rated voltage	Supply correct power
C. Fuses blow or circuit breaker trips at consumer fuse box/circuit breaker panel or fountain control panel (Not the fountain GFCI)	Check for the proper size fuse or circuit breaker recommended for the equipment supplied	Provide the proper size fuse or circuit breaker
D. Ground fault circuit interrupter (GFCI) trips or will not reset	Disconnect outgoing power to the fountain (at the fountain terminal control panel strip) and apply power, If GFCI, energizes and stays energized, it is OK	Replace GFCI, consult the factory
E. Ground fault circuit interrupter trips (GFCI tests OK) (single phase only)	Check power cord for nicks or cuts in fountain power lead cables	Replace power cable if leads are damaged
	Check motor lead for nicks or cuts (splice box to motor)	Replace the motor lead
	Verify the GFCI is not sensing outside interference or noise (single phase)	Correct outside interference
	Check motor for shorts	Replace motor
	If purchased, bypass the lighting transformer and connect the power cord directly to the unit junction box	Replace lighting photo cell
F. Motor runs, however, fuses blow or circuit breaker trips (not the control panel GFCI)	Check for proper voltage using a volt meter. Voltage must be within +/- 10% of the rated voltage	Correct voltage
	Check that the amperage does not exceed the maximum rating of the motor	Remove any foreign debris from pump chamber or nozzle area
	Check the motor shaft bearing and propeller/impeller (horizontally) for wear	If movement is determined, replace the motor
G. Unit operates but lights do not come on	Check photo cell for operation use (tape over photo eye for test)	Replace photo cell module
	Check light wiring for cuts	Replace wire as needed
	Check that sealed beams are OK	Replace seal beam as needed
H. Lights operate, motor runs, but no spray	Check propeller/impeller for spline wear	Replace propeller/impeller