



CHECKLIST FOR TROUBLESHOOTING PROBLEMS IN PRIVATE SPAS  
WATER MESSAGE NOT WORKING

SAT.021.EN  
(10122015)

1	To which connector is/are the faulty massage pump/s connected?	J23 on main circuit board	Go to 2		
		J1 on expansion circuit board	Go to 5		
2	Check voltage at outlet J23 on the circuit board when the jets are run from the push-button panel	0 V	Go to 3		
		230 V	Go to 6		
3	Connect the test button. Check voltage at outlet J23 when the jets are run from the push-button panel	0 V	Go to 4		
		230 V	Change push-button panel. OK?	YES	End
			NO	Go to 4	
4	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists. OK?	YES	End
			NO	Go to 11	
5	Check voltage at outlet J1 on the expansion circuit board when the jets are run from the push-button panel	0 V	Go to 6		
		230 V	Go to 11		
6	Check fuse on expansion circuit board (30 A) OK?	YES	Go to 7		
		NO	Change fuse. OK?	YES	End
			NO	Go to 5	
7	Check that the expansion circuit board is properly connected to the main circuit board (J25-J6, J57-W1 and J60-J7)	YES	Go to 8		
		NO	Connect properly. OK?	YES	End
			NO	Go to 8	
8	Connect the test button. Check voltage at outlet J1 on the expansion circuit board when the jets are run from the push-button panel	0 V	Go to 9		
		230 V	Change push-button panel. OK?	YES	End
			NO	Go to 9	
9	Connect the test expansion circuit board. Check voltage at outlet J1 on the expansion circuit board when the jets are run from the push-button panel	0 V	Go to 10		
		230 V	Change expansion circuit board OK?	YES	End
			NO	Go to 10	
10	Reset the circuit board as per technical instructions. OK?	YES	End		
		NO	Change the circuit board and check whether the error persists. OK?	YES	End
			NO	Go to 11	

11	Change massage pump. OK?	YES	End
		NO	Consult