

ST-165 CM Control Test Mode

Test Mode Quick Reference Guide (L1, H1, &H2 Series)



Summary

The information listed below is provided as general guidelines to assist in troubleshooting. It is ultimately the owner's/ distributor's/ technician's responsibility to properly troubleshoot the piece of equipment down to the failed component(s). Girbau North America's will not be held liable for any part replacement and/or labor associated with the misdiagnosed troubleshooting of the equipment.

Access to TEST Program:

1. Turn off power to machine.
2. Slide set-up switch to the left (located on the bottom left corner of microprocessor next to mounting screw).
3. Turn on power to machine and display will show COnF
4. Press the number 4 key and the display will show tEST.
5. StOP key will advance to the next step. Test each function on by pressing the key or action indicated

Steps in this guide might vary due to the model

STEP	Verify	Key/Action	Display	LED State	LED No.
	Test		tEST		
1.	Display Segments and Points	Visual	88.8.8.	ON	
	Micro Power Supply	Visual		ON	H42
	Micro Power Supply	Visual		ON	H45
	Micro Power Supply	Visual		ON	H1
	Heating Safety if Used	Visual		ON	H2
2. Press Stop	Not used	Stop			
3. Press Stop	Key Pad	1-2-3-4	1-2-3-4		
4. Press Stop	Door Hinge Micro switch	Open/Close Door	dr-0/dr-1	ON/OFF	H5
5. Press Stop	Balance Switch (if equipped)	Normal/Move Tub	bAL1/bAL0	ON/OFF	H6
6. Press Stop	Door Locking	Automatic	Pre-Star or Push-Stop	ON/OFF ON	H27/H4 H4
7. Press Stop	Water Inlet A1-Cold	Press key 1 and hold	A-- A1	OFF ON	H7 H7
	Water Inlet A2-Hot	Press key 2 and hold	A-- A2	OFF ON	H8 H8
8. Press Stop	Supply Flush Valve 1	Press and hold key 1	d-- d1	OFF ON	H10 H10
	Supply Flush Valve 2	Press and hold key 2	d-- d2	OFF ON	H11 H11
	Supply Flush Valve 3	Press and hold key 3	d-- d3	OFF ON	H12 H12
	Supply Flush Valve 4	Press and hold key 4	d-- d4	OFF ON	H13 H13
9. Press Stop	Not Used	Stop			
10. Press Stop	Right Rotation	Press and hold key 1	rot rotr	OFF ON	H17 H17
	Left Rotation	Press and hold key 2	rot rotL	OFF ON	H18 H18

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11. Press Stop	Drain	Press and hold key 1	E-0 E1-1	OFF ON	H15 H15
L10 & H10 Series Only	Low Extract (Larger L Series)	Press and hold key 2	E-0 E2-1	OFF ON	H19 H19
L10 & H10 Series Only	Medium Extract (Larger L Series)	Press and hold key 3	E-0 E3-1	OFF ON	H21 H21
L10 & H10 Series Only	High Extract	Press and hold key 4	E-0 E4-1	OFF ON	H20 H20
12. Press Stop	No Water Level		0L0.0		
	High Water Level	Press key 2 Washer fills to high level. Press key 2 and washer will drain.	6L.-.		
13. Press Stop	Coin blocking coil	Press key 2 and lock closes	Lc-0 Lc-1	OFF ON	H24 H24
Press Stop	Coin drop Switch	Insert coin or Token	1-2-3-4-	ON	H26
H2 Series only Press Stop	Inverter	Press 2 to increase. Press 4 to decrease	SPd*		
14. Press Stop	End Test	Visual	Shows End & Counts Down		

Notes:

- Due to safety precautions certain steps cannot be bypassed.
- If after the door opening step (Hinge micro switch step 4) is checked and the door is not shut and latched step 6 (Door Lock) will not function.
- It will not be possible to repeat an operation which involves a motor action if less than 2 seconds has elapsed.
- To operate an extract speed that has been passed, a new test program would have to be run. (H10 Series)
- To repeat a high-speed extract if less than twenty seconds has elapsed. (H10 Series)
- Heating system test only has two-second duration and can be repeated only three times.
- When testing high-speed mode in H10 series units the control activates the E3 speed for 10 seconds prior to the E4 speed.