ST-164 PM 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). Insert program key and turn to program.
- 3. Turn on power to machine and display will show tESt.
- 4. Press Enter / Start key to move to next step.
- 5. Turn each function on by pressing the key indicated or action indicated.
- 6. Clear/Stop key leaves step.

Steps in this guide might vary due to the model

STEP	Tested Component	Key/Action	Display Left	Display Right	LED State	LED No.
	Test		tESt			
1.	Display Segments and Points	Visual	88.8.8.	8.8.	ON	
	Micro Power Supply	Visual			ON	H42
	Micro Power Supply	Visual			ON	H45
	Motor klixon	Visual			ON	H1
	Heating Safety if Used	Visual			ON	H2
2. Press Enter	Emergency Stop	Lock/ Unlock Stop	ENER	1 / 0	On/Off	Н3
3.	Key Pad	0-1-2-3-4-5	0-1-2-3-4-5-			
Press Enter	Function	6-7-8-9-Auto-Man-Clear	6-7-8-9-Auto-			
			Man-Stop			
		Stop-Man	Stop-Man			
		Aut	Aut			
4. Press Enter	Door Hinge Micro switch	Open/Close Door	door	0 / 1	OFF/ON	Н5
5. Press Enter	Balance Switch	Normal/ Move Tub	bal	0 / 1	ON/OFF	Н6
6.	Door Locking	Automatic	Pre-Star	0	ON/	H27/
Press Enter					OFF	H4
			Push/ Stop	1	ON	H4
7.	Clutch (H1)	Press key 1	CLU	0	Off	
Press	` ′	To				H22
Enter		Activate		1	On	
8.	Water Inlet A1-Cold	Press key 1 and hold	A	0	OFF	H7
Press Enter			A1	1	ON	H7
	Water Inlet A2-Hot	Press key 2	A	0	OFF	Н8
		and hold	A2	1	ON	Н8

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Supply Flush Valve 1							
Supply Flush Valve 2	9.	Supply Flush Valve 1	Press and hold key 1	d	0	OFF	H10
Supply Flush Valve 3	Press Enter		-	d1	1		H10
Supply Flush Valve 3		Supply Flush Valve 2	Press and hold key 2	d	0	OFF	H11
Supply Flush Valve 4				d2	1	ON	H11
Supply Flush Valve 4		Supply Flush Valve 3	Press and hold key 3	d	0	OFF	H12
Dosing Supply Signal Press and hold key 5 d 0 OFF H14			·	d3	1		
Dosing Supply Signal S		Supply Flush Valve 4	Press and hold key 4	d	0	OFF	H13
10. Heating Press key Hit 0 Off H23					1	ON	
Temperature Reading		Dosing Supply Signal	Press and hold key 5		0		
Temperature Reading		5			1		H14
Temperature Reading		Heating	Press key	Ht	0		
Temperature Temperature	Press Enter	Step	5		1	ON	H23
Temperature Temperature							
11.		Temperature Reading		F**			
Press Enter							
Left Rotation		Right Rotation	Press and hold key 1	rot	0		
Total Press and hold key 1 E- O OFF H15	Press Enter			rotr	1		
11.		Left Rotation	Press and hold key 2		0		
Press Enter Low Extract Press and hold key 2 E- 0 OFF H19 L10 & H10 Series Only Medium Extract Press and hold key 3 E- 0 OFF H21 L10 & H10 Series Only High Press and hold key 4 E- 0 OFF H21 L10 & H10 Series Only High Press and hold key 4 E- 0 OFF H20 Only Extract Fess and hold key 4 E- 0 OFF H20 Only Extract Fress and hold key 4 E- 0 OFF H20 Only Extract Fress and hold key 4 E- 0 OFF H20 12. No Water Level OL0.0 E4- 1 ON H20 Press Enter Level Press key 6 6L 6L Fermion of the pression of					1		
L10 & H10 Series Cow Extract Press and hold key 2 E- 1 ON H19		Drain	Press and hold key 1		0		
Only Medium Extract Press and hold key 3 E- 0 OFF H21 Conly High Press and hold key 4 E- 0 OFF H21 L10 & H10 Series High Press and hold key 4 E- 0 OFF H20 Only Extract E4- 1 ON H20 12. No Water Devel OL0.0 OL0.0 OL0.0 Press Enter Level Washer fills to high level. Press key 6 OL OL High Water Press key 0 and washer will drain. SPd* SPd* SPd* 13 Inverter Test (H2 only) Select speeds 0-6 by pressing + to increase or - to decrease SPd* SPd* 14. End Test Visual Visual					1		
L10 & H10 Series Medium Extract Press and hold key 3 E- 0 OFF H21		Low Extract	Press and hold key 2		0		
Only High Only Press and hold key 4 E3- 1 ON H21 L10 & H10 Series Only High Extract Press and hold key 4 E- 0 OFF H20 Only Extract OL0.0 H20 12. No Water Level OL0.0 OL0.0 High Water Level Press key 6 6L Washer fills to high level. Press key 0 and washer will drain. Press key 0 and washer will drain. 13 Inverter Test (H2 only) Select speeds 0-6 by pressing + to increase or - to decrease SPd* 14. End Test Visual					_		
L10 & H10 Series Only Extract Press and hold key 4 E- E4- 1 ON H20 OL0.0 Press Enter High Water Level Washer fills to high level. Press key 0 and washer will drain. Inverter Test (H2 only) OL0.0 Select speeds 0-6 by pressing + to increase or - to decrease 14. End Test Press and hold key 4 E- 0 OFF H20 ON H20 OL0.0 SElect Speeds 0-6 by pressing + to increase or - to decrease	L10 & H10 Series	Medium Extract	Press and hold key 3		-		
Only Extract E4- 1 ON H20 12. No Water 0L0.0							
12. No Water Level High Water Level Washer fills to high level. Press key 0 and washer will drain. 13 Inverter Test (H2 only) only) End Test Visual OL0.0 6L SPd* Fress key 6 Washer fills to high level. Press key 0 and washer will drain. SPd*	L10 & H10 Series		Press and hold key 4		Ŭ		
Press Enter Level High Water Level Washer fills to high level. Press key 0 and washer will drain. Inverter Test (H2 Select speeds 0-6 by pressing only) + to increase or – to decrease 14. End Test Visual	Only				1	ON	H20
High Water Level Washer fills to high level. Press key 0 and washer will drain. Inverter Test (H2 Select speeds 0-6 by pressing only) + to increase or – to decrease 14. End Test Visual 6L SPd* SPd*		No Water		0L0.0			
Level Washer fills to high level. Press key 0 and washer will drain. 13 Inverter Test (H2 Select speeds 0-6 by pressing only) + to increase or - to decrease 14. End Test Visual	Press Enter						
Press key 0 and washer will drain. 13 Inverter Test (H2 Select speeds 0-6 by pressing only) + to increase or - to decrease 14. End Test Visual		High Water		6L			
drain.		Level					
13 Inverter Test (H2 Select speeds 0-6 by pressing only) SPd* + to increase or - to decrease 14. End Test Visual			Press key 0 and washer will				
only) + to increase or – to decrease 14. End Test Visual							
14. End Test Visual	13	Inverter Test (H2		SPd*			
		only)	+ to increase or – to decrease				
Press Enter	14.	End Test	Visual				
	Press Enter						

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.