Binary Display Fault Chart						
Fault/Test # displayed on 7-segment display	When entered into service mode	Fault/Test # displayed in binary format using cycle status lights				
	Service Mode Tests	Filled circles indicate light on				
0	All LEDs on	$\bullet \bullet \bullet \bullet \bullet \bullet$				
1	Fault Codes	$\bigcirc \bigcirc $				
2	Personality ID	$\bigcirc \bigcirc $				
3	UI Software Version (Critical)	$\bigcirc \bigcirc $				
4	UI Software Version (Non-critical)	$\bigcirc \bigcirc $				
5	XML Version (Non-critical)	$\bigcirc \bigcirc $				
6	Hot Water Valve	$\bigcirc \bigcirc $				
7	Cold Water Valve	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bullet \bullet \bullet \bullet \bullet$				
8	Fabric Softener Dispenser	$\bigcirc \bigcirc $				
9	Spray Rinse Valve	$\bigcirc \bigcirc $				
10	Pressure Sensor	$\bigcirc \bigcirc $				
11	Recirculate Pump	$\bigcirc \bigcirc $				
12	Drain Pump	$\bigcirc \bigcirc \bullet \bullet \bullet \bigcirc \bigcirc$				
13	Lid Switch	$\bigcirc \bigcirc \bullet \bullet \bullet \bigcirc \bullet$				
14	Spin	$\bigcirc \bigcirc \bigcirc \bullet \bullet \bullet \bigcirc \bigcirc$				
15	Agitate	$\bigcirc \bigcirc \bullet \bullet \bullet \bullet \bullet$				
16	Clear all F Codes	$\bigcirc \bullet \circ \circ \circ \circ$				
17	Change Personality	$\bigcirc \bullet \circ \circ \circ \bullet$				
18	Analog Knob	$\bigcirc \bullet \circ \circ \bullet \circ$				
19		$\circ \bullet \circ \circ \bullet \bullet$				
20		$\circ \bullet \circ \bullet \circ \circ$				
21		$\circ \bullet \circ \bullet \circ \bullet$				
22		$\circ \bullet \circ \bullet \bullet \circ$				
23						
24		$\bigcirc \bullet \bullet \circ \circ \circ$				
25		$\circ \bullet \bullet \circ \circ \bullet$				



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Personality Number	Model		
0	GTW220		
1	GTW490		
2	GTW680		
6	GTW460		
7	GTW200		
8	GTW210		
9	GTW410		
10	GTW485		
12	GTW491		

Fault Code Name (Hex)	Description	Repair Action				
1 Lock Monitor	Lid lock didn't occur or lid lock signal not seen by control due to lack of connection.	 Check the resistance of the lid lock assembly. Check the harness for open wires and or connectors from the board to the lock assembly. If lock assembly and harness prove good at the time of service, replace the lid lock assembly. Poplace control if this fault happens repeatedly. 			⊑ s	striker 700 id Lool Acm
	motor was moving. Could mean the switch didn't close or control didn't get the signal because of lack of connection.	• Replace controlli this fault happens repeatedly.				
3 Locked Rotor Monitor	For 5 straight seconds control not seeing signal changes indicating the motor is turning while trying to spin. Could mean the motor isn't rotating or Control didn't get the signal because of lack of connection.	 Physically check the washer for anything preventing motor movement. Check harness and harness connectors from the control to the motor. Verify hall sensor is connected to the main harness. Put washer in Service Mode and run TEST 13. Spin Test. If hall sensor is bad or disconnected, the basket will start to spin normally and then stop spinning after approximately 5 seconds. Ensure hall sensor is properly connected and positioned on the motor. If basket spins for approximately 15 seconds, the hall sensor is most likely NOT the cause. TCO should reset in approximately 45 minute. If TCO is tripped, make sure motor moves freely and that nothing is jamming it. Replace motor if it does not. 	Fault	:		
4 Reset Monitor	Control is resetting the software by itself due to criteria it believes could resolve itself upon reset.	 Check for loose connections at the control. Reconnect if any. Check for recommended house line voltage to the washer. 			Description	Repair Action
5 Mode Shifter	Control didn't see the transition from Agitate to Spin or vice-versa in the time required. Could mean the shift didn't occur or Control didn't get the signal because of lack of connection.	 Check mode shifter coupler for damage and the ability to slide in and out freely. Using an ohm meter, check to ensure mode shifter switch is in the open position. Check resistance of mode shifter motor (approximately 5.7K ohms). Check for 120VAC to the mode shifter motor at the control J512 connector. If voltage is present, replace the mode shifter. 	10	Dry Load Sense Timeout	amount of time the pressure sensor indicated the wash water had drained to empty exceeded the calculated time by the software.	 If the adaptive drain cycle drain cycle occurs to try to remove the rest of water in tub. If the adaptive drain cycle times out, the control will run a Drain Pump Clearing algorithm to free the pump impeller of debris. Then it will finish draining. If drain clearing algorithm fails look for fault 18. If fault 16 is 100 and fault 18 never occurs there is no problemIf fault 16 and fault 18 equal each other in faults then look for drain blockages including house standpipe. 1. Check for water in the bottom of the tub. If so drain and try cycle again
6 Critical Flood Level by Pressure. Pressure level exceeds 17.5 inches above pressure port.	Control received an extended period of pressure readings that is nearing over-flow levels. Pressure 17.5". Voltage Output must be present. Could mean water did get that high due to briefly stuck water valve. Voltage output of sensor too high for actual water level because of sensor or water in pressure tube increasing pressure.	 If voltage is not present at the control, replace control. Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check for any leaking water valves. Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control. 			the cycle selected. This occurs when the washer is not reaching the target speed within a defined time limit for the load type selected.	2. Check the basket for excessive friction. Basket should spin freely. If not, find source of friction and remove it.
7 Flood Warning Level by Pressure. Pressure level exceeds 16.5 inches above pressure port.	Main micro received and extended period of pressure readings that is greater than maximum allowable fill volume. Pressure 16.5". Voltage output must be present. Could mean water did get that high due to briefly stuck water valve. Voltage output of Sensor too high for actual water level because of sensor or water in pressure tube increasing pressure.	 This can happen if a large wet load is placed in the washer. Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check for any leaking water valves. Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control. 	18	Drain Pump Clearing algorithm failed.	While draining the pressure sensor value for water level did not indicate the washer was empty before the Max Continuous Drain ON time was reached.	 This fault is set and will be seen with fault 16 when Drain Pump Clearing Algorithm failed to remove the blockag and the rest of water in tub. Check the drain pump for blockage. Check installation instructions for proper standpipe height. Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check the quite ut voltage from the pressure sensor to ensure it matches the water level in the basket according.
8 Pressure Sensor Loss	This determines if there has been a too great of a difference in the pressure sensor reading and the expected pressure sensor reading for the amount of water the control calculated it has put in. It assumes there is a pressure leak, a clog in the pressure hose/system delaying the increase in pressure, or a significant amount water leaking out.	 Check house water supply vales are turned on. Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check water valve operation Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control. 				 to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mount directly to the control. Check resistance of the pump (13.5 ohms) from J512 connector on the control. If open circuit, check wiring harness to the pump and pump motor. Check for 120VAC to the drain pump. If voltage is present and pump does not operate, replace pump. If voltage is not present, replace IMC (Interface Machine Control).
9 Lid Switch Reduinduncy	have completed with backup micro seeing lid open. Could mean the switches didn't occur or backup processor didn't get the signal because of lack of connection. See Fault #2 as well	 Open and close the lid to clear the error. Check harness and connectors that go to the lid switch. If the error will not clear, replace the lid switch. 	<u>19</u> 20	UI State Timeout Critical Flood Level by Gallor	Washer was paused for over 12 hours Mater volume into the tub exceeded 41 gallons as calculated by the control. 1. Pressure tube is momentarily pinched, has water in it,	 This is normal operation. This will happen if the consumer and or control switched cycle to a paused state. Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check for any leaking water valves.
10 Mode Shift Feedback Monito	r Signal feedback state from the mode shifter (agitate or spin) and the state requested by the control are not the same and the basket or agitator is rotating faster than 3-4 RPM Agitate mode feedback signal is no voltage	 Check mode shifter coupler for damage and the ability to slide in and out freely. Use ohm meter to ensure harness shows continuity to the mode shifter from the control. Check resistance of mode shifter motor (approximately 5.7K ohms). Check for 120VAC to the mode shifter motor at the control 1512 connector. 			partial blockage if Flood fault 12 occurs. 2. Low water pressure/flow or permanent pressure system blockage if NO Flood fault 12 occurs.	 Check home water pressure. Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control.
11 Clock Monitor	1 AC nower line frequency is not 60Hz	 If voltage is present and no operation, replace the mode shifter. If voltage is not present at the control, replace control. 1 Check the frequency of the AC power outlet. If it is more than a few Hz off of 60Hz patify utility company. 	21	Flood Warning Level by Gallons.	Water volume into the tub exceeded 36.3 gallons as calculated by the control. Stops filling 1. Pressure tube is momentarily pinched or has water in it,	 Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check for any leaking water valves.
12 Redundant Flood Condition	2. Software failure. Backup Processor received an extended period of	 Check pressure tube for trapped water. Check pressure tube for trapped water. 			partial blockage if Flood fault 6, 7, or 12 occurs. 2. Low water pressure/flow or permanent pressure system blockage if NO Flood fault 6, 7, or 12 occurs.	 Check home water pressure. Check the output voltage from the pressure sensor to ensure it matches the water level in the basket accord to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is modified to the pressure sensor.
	Pressure reduings that is hearing over-now levels. Pressure 18.0" Voltage Output must be present. Could mean water did get that high due to briefly stuck water valve. Voltage output of Sensor too high for actual water level because of Sensor or water in Pressure tube increasing pressure.	 Check Edd Valves Operation (Replace Water Valve and send back to GE) Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control. Send Control back to GE. If the pressure tube is intact, replace control and Send Control back to GE. 	22	Out of Balance (OOB) during dry load sense.	Large wet/OOB load being washed. This is set if OOB condition is detected during dry load sense algorithm. Dry load sense will be abandoned and wet load sense will be started.	 Check for excessively OOB load. Customer Education on how to distribute load. Check the basket for excessive friction or for being excessively out of round. Basket should spin freely and without wobble. If friction is found, remove it. I basket is bad replace it.
13 Redundant Lid Unlocked	In spin mode, the lid switch feedback has voltage (lid closed), for more than 5 seconds the motor speed feedback assumes the basket is spinning > 4-5RPM when the lid lock feedback has no voltage (Lid Unlocked). Lid Switch Feedback has no Voltage when the BRPM is > 4-5RPM.	 Check lid switch continuity at J513 on the control. Check continuity of lid lock position. Opened or Closed. Check for proper operation of lid lock. 120VAC while activating Check lid lock wiring harness from the control to lock assembly. If lid lock assembly and harness are OK, replace control board 	23	Critical Lid Lock	1. Lock blockage 2. Lid Lock failure. Will not lock or unlock or is locked while lid is opened.	 Verify that the lid lock is not blocked by any external debris. Check lid switch continuity at J513 on the control. Check continuity of lid lock position. Opened or Closed. Check for proper operation of lid lock. 120VAC while activating Check lid lock wiring harness from the control to lock assembly. If lid lock assembly and harness are OK, replace control board
14 Lid Lock Failure	Signal received by control is indicating the lock will not lock or unlock when requested or the lid switch is indicating open when the signal received indicated locked.	 Verify that the lid lock is not blocked by any external debris. Check lid switch continuity at J513 on the control. Check continuity of lid lock position. Opened or Closed. Check for proper operation of lid lock. 120VAC while activating 	24		Lia switch failure. This fault is set if the system perceives the lid to be both OPEN and LOCKED for 5 consecutive seconds	 Check names and connections from the control to the lid lock assembly for damage and continuity. Run a spin cycle. Pull up on the lid during spin for more than 5 seconds and see if this fault occurs. Replace lid lock assemble. If above does not correct the fault, replace the control.
15 Water Temp Sensor Invalid	1. Thermistor disconnected/not present. 2. Failed thermistor	 Check lid lock wiring harness from the control to lock assembly. If lid lock assembly and harness are OK, update the software. Check thermistor resistance from connector J701 on the control board. Validate the resistance matches the table in mini-manual. Check wiring harness and connections. Replace thermistor. 	25	Pressure Sensor Dropout	 Disconnected pressure hose. Pressure tube is pinched or has water in it. Pressure sensor failure. 	 Check pressure tube for pinches where it goes through top cover grommet. Check pressure tube for trapped water. Check for any leaking water valves. Check home water pressure. Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart. If it does not, the control will need to be replaced as the pressure sensor is mounted directly to the control.



Rotary *Resistance values are	read from the leads while disconr
Position	Resistance(kΩ
1	0.8
2	1.9
3	3.7
4	6.7
5	13.5
6	40.5

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A WARNING Electrical Shock Hazard

- Death or serious injury can result from failure to follow these instructions. • Service by a qualified service technician only.
- Disconnect power before servicing this product.
- Reconnect all grounding devices after service. Replace all parts and panels before operating.

AVERTISSEMENT Risque de choc électrique

- 'ous pouvez être tué ou gravement blessé si vous ne suivez pas ces instructions.
- Réparations seulement par un technicien qualifié.
- Débranchez l'alimentation électrique avant la réparation. Rebranchez tous les dispositifs de mise à la terre après la réparation.
- Remettez toutes les pièces et panneaux en place avant d'utiliser l'appareil.

A ADVERTENCIA Riesgo de Descarga Eléctrica

- sted puede morir o sufrir lesiones graves si no siguen estas instrucciones. El servicio técnico sólo debe ser realizado por un técnico calificado.
- Desconecte el suministro de corriente antes de realizar el servicio técnico.
- Luego del servicio técnico, vuelva a conectar todos los dispositivos de conexión a tierra. Reemplace todas las piezas y paneles antes de utilizar.

WATER LEVEL SWITCH

BEFORE DISCONNECTING HOSE FROM WATER LEVEL SWITCH, BE SURE WATER LEVEL IN MACHINE IS BELOW BOTTOM OF WASH BASKET. AFTER RECONNECTING HOSE, PUT MACHINE IN SPIN FOR AT LEAST ONE MINUTE BEFORE CHECKING OPERATION OF SWITCH.

(1) To Remove Control Panel:

1. Remove the two hex head screws from the top rear corners of the control panel.



2. Grasp the control panel sides, push it back, and roll it toward the rear so the pressure sensor tube can be seen where it connects to the control board.



- 3. Disconnect the pressure sensor tube from the control board.
- 4. Roll the control panel toward the front and carefully lay it on its face on the top cover.
- 5. Remove four 1/4" hex head screws that mount the rear backsplash panel to the control assembly.
- 6. Disconnect all harness connectors from the control board.



(2) To Remove Lid:

• Open the lid, remove the four screws (two each side) and lift the lid up to remove.



(3) To Remove Top Cover:

- 1. Complete previous component removals (1) and (2).
- 2. Remove two 1/4" hex head screws at the rear of the top cover.
- 3. Slide the harness grommet out toward the rear of the washer.
- 4. Disengage the power cord from the top cover by lifting up on the front part
- of the cord and then slide forward to remove.
- 5. Raise the rear of the top cover up and pull forward slightly to disengage the front clips.



(4) To Remove Impeller or Agitator (Depending on Model):

- 1. With a small screwdriver, pry the cap off of the impeller or remove the cap or cup from the agitator.
- 2. Remove the 7/16th hex bolt that secures the impeller/agitator to the shaft. 3. Pull the impeller/agitator off the shaft.



NOTE: On two stage agitator models with an auger system, the auger first needs to be removed to access the 7/16th hex bolt. This is done by twisting the base of the auger right (clockwise) to unsnap it from the agitator base. A Phillips screwdriver can be used to remove the auger by doing the following: A. Insert the screwdriver into the existing hole in the auger

B. Rotate the auger until the screwdriver seats into a recessed area of the inner portion of the auger. C. Once the screwdriver is seated, tap it through the wall of the recessed area. This allows the screwdriver to assist with twisting the auger off of the agitator base to access the hex bolt.

(5) To Remove Tub and Basket Assembly:

- 1. Complete previous component removals (1), (2), (3) and (4).
- 2. Remove the 1-5/16th hub nut and flat washer that secures the basket to the shaft.
- 3. Remove tub cover by unsnapping the 8 clips around its perimeter.



- 4. Disconnect the internal drain hose assembly from the cabinet.
- 5. Disconnect the rod and spring assemblies from the tub by leaning the washer over enough to slide prop blocks under the belt protector. Bring the washer to the upright position. This will cause the tub assembly to raise up high enough to disengage the rod and spring assemblies from the tub.







(6) To Remove and Install Platform and Transmission Assembly

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- . Remove all components, brackets and harnesses from the platform assembly.





1. Complete previous component removal **4** and step 2 of previous component removal **5**.

2. Lean washer back and prop with prop blocks to stabilize or if there is room, lay the washer on its side.

- 5. Pry the platform assembly from the tub. The tub seal may offer some resistance. This is pressed onto the platform transmission assembly. Also the flat washer that the basket sits on should come out with the platform assembly. This flat washer can be reused. The hub nut and hub belleville washer will need to be replaced (WH02X10363 and WH01X21534).
- 6. When reinstalling the platform transmission assembly be sure to slide the
- crisscross pattern is used when tightening the bolts. **NOTE:** Tighten the bolts approximately ¹/₄" at a time so that the tub seal pulls in evenly.

(7) To Remove the Hall Sensor:

- L. Remove belt protector, belt and motor pulley.
- 2. Unclip the hall sensor from the motor and disconnect from the main harness.

Consumer Help Indicators

• Models with a display on the control panel Your washer is equipped with Consumer Help Indicator (CHI). CHI is our way to communicate a simple remedy for some situations that you can perform without the need to call for service. The chart below describes the helpful messages you may notice scrolling on your display when you return to start another load. These messages will provide simple remedies you can quickly perform. To ensure that you see the message, the washer will scroll the message continually until you

interact in some way with the controls.					
"bALAnCING" After the wash cycle, the clothing wasn't evenly distributed enough to spin ou the water. Redistribute the clothes more evenly in the washer and then run a Drain & Spin cycle.					
" Po " (Water took too long to Pump Out)	Resume cycle or enter Drain & Spin . If water pumps out, then the clog has likely cleared. If water remains in the washer, check for clogged or pinched drain hose. This situation could be more likely to appear, over time, if the external drain hose has been extended or restricted.				
"H2O SUPPLY" (Water not entering washer)	Check your house water supply. Did you forget to turn on one or both supply valves after installation or coming back from vacation? As soon as the message starts to scroll, the washer will initiate a 3 minute lock-out period. The washer controls won't respond/change during this time. After the 3 minutes, you can begin your cycle again. If you try to bypass the lock-out period by unplugging the washer, the 3 minute timer will start over again.				
"CAnCELEd"	If your machine has stopped itself before the cycle completed, CAnCELEd will scroll in the display. On models without a display, the two furthest right LED lights will flash. This indicates that an error has occurred. Try to run a Drain & Spin cycle to see if it will clear. If it does not clear, call 800.GE.CARES [800 432 2737] for service				
Models without	a display on the control panel				
Your washer is equip simple remedy for so chart below describ	oped with Consumer Help Indicator (CHI). CHI is our way to communicate a one situations that you can perform without the need to call for service. The es the helpful lights you may notice flashing when you return to the washer.				
Spin LED	After the wash cycle, the clothing wasn't evenly distributed enough to spin out the water. Redistribute the clothes more evenly in the washer and then run a Drain & Spin cycle.				
Rinse LED (Water took too long to Pump Out)	Resume cycle or enter Drain & Spin . If water pumps out, then the clog has likely cleared. If water remains in the washer, check for clogged or pinched drain hose. This situation could be more likely to appear, over time, if the external drain hose has been extended or restricted.				
Fill LED (Water not entering washer)	Check your house water supply. Did you forget to turn on one or both supply valves after installation or coming back from vacation? As soon as the message starts to scroll, the washer will initiate a 3 minute lock-out period. The washer controls won't respond/change during this time. After the 3 minutes, you can begin your cycle again. If you try to bypass the lock-out period by unplugging the washer, the 3 minute timer will start over again.				
Two LED lights flashing	If your machine has stopped itself before the cycle completed. The two furthest right LED lights will flash. This indicates that an error has occurred. Try to run a Drain & Spin cycle to see if it will clear. If it does not clear, call 800.GE.CARES (800.432.2737) for service.				

ntry into Consumer Error Mode From an idle state only (all LEDs off), press and hold <i>Start</i> button for 10 seconds. After holding <i>Start</i> for 10 seconds, all LEDs will turn on, signifying the user may release the <i>Start</i> button.			5	XML Version (Non-critical)	Example: v01.23 High end UI 1st press - "01" on SSD 2nd press - "23" on SSD
ehaviors While In Consumer Error Mode The Pause and Lid Locked LEDs should be constantly blinking while in CEM. The first fault, if present, will show on the display. Pressing <i>Start</i> will display the next fault code.					Low end UI (See Version Diagram below) Major version (<i>Pause</i> LED ON) 1st press - Display 0 in binary (all LEDs off) 2nd press - Display 1 in binary Minor version (Lid Locked LED ON)
 Models without 7-segment display: Fault code will blink in binary - the consumer will report which LEDs are blinking and which are not. See Binary Display Fault Chart. Models with 7-segment display: Fault code will blink on the 7-segment display. At the end of the fault list or if no faults present: 					3rd press - Display 2 in binary 4th press - Display 3 in binary NOTE: We only show the non-critical version number because the critical XML version number must match the application non-critical version number for the control to boot. If you get to service
 Models without 7- Models with 7-seg xiting Consumer 	segment dis ment display Error Moc	splay: All status LEDs will blink. /: 7-segment display will blink "—". Je	6	Hot Water	mode, then the XML critical version is correct. If not, update software.
Pressing any button (other than Start) or turning any knob will exit Consumer Error Mode. Consumer Error Mode will time out after 10 minutes				Valve	for how long valve will be on (1 minute). The valve will turn off when the test is exited.
ield Service Mode Entry rom an idle state only (all LEDs off), press and hold Start button while batating the cycle selection knob 180 degrees (7 clicks) and then release the t art button.			7	Cold Water Valve	Pressing Start will toggle the cold water valve on and off. Test will have a timeout for how long valve will be on (1 minute). The valve will turn off when the test is exited.
 On 7-segment display models: (0) will be displayed for Test (0). On models without a 7-segment display: All of the status LEDs above the cycle knob will be lit. The cycle selection Knob is now used to control the test selection menu. 			8	Fabric Softener Dispenser	Pressing Start will toggle the fabric softener valve on and off. Test will have a timeout for how long valve will be on (1 minute). The valve will turn off when the test is exited.
 Rotating the knob clockwise will increment the test numbers in the display. Rotating the knob counter clockwise will decrement the test number in the display. Models without 7-segment display: Will display tests using the status 			9	Spray Rinse Valve Check	Pressing Start will toggle the spray rinse valve on and off. Test will have a timeout for how long valve will be on (1 minute). The valve will turn off when the test is exited.
 Flodels without 7-segment display. Will display tests doing the status lights above the cycle knob in a binary format. (See Binary Chart) Turning the knob to go to a different test will terminate any current active state. Once the test number is selected, pressing <i>Start</i> will begin the selected test. 			10	Pressure Sensor	Pressing Start will start the test. Pressure sensor test will have a timeout. All valves will turn on. All LEDs will blink at start of test. Stop blinking LEDs as approximate water levels are crossed. The levels are:
xit Field Service Mode Field service mode will time out after 30 minutes if there is no user activity. Models without 7-segment display: Press and hold the <i>Start</i> button for 3 seconds Models with a 7-segment display: Press <i>Power</i> button					2" 3" 4" 5" 6" 7" Water values shuts off at this lovel
eatures are avail	able via th	he cycle knob (on some models):	11	Recirculate	Pressing <i>Start</i> will toggle the recirculation
Knob Index / Test number (Displayed on SSD, 7-segment display, if present) Without SSD will be	Test Name	Description of test If tests call for numbers to be shown it will: (Display on SSD, 7-segment display, if present.) (Without SSD will be displayed in		Pump	pump on and off. Test will have a (1 minute) timeout for how long recirculation pump will be on. The recirculation pump will turn off when the test is exited.
displayed in binary format. (See Binary Chart)	All LED's	binary format. (See Binary Chart) Turning the cycle knob will index to the next or prior test. All LEDs on the display will be blink including "88" on the (7-segment display) SSD at a rate	12	Drain Pump	Pressing Start will toggle the drain pump on and off. Test will have a (4 minute) timeout for how long drain pump will be on. The drain pump will turn off when the test is exited.
L	Fault Codes	of 1Hz. Models without 7-segment display: Faults will be shown;	13	Lid Switch	Pressing Start will start the test. When the lid is open, the Spin status LED will blink. When the lid is closed, the Rinse status LED will blink.
	 On Start button press, blink first fault code in binary. (See Binary Chart) On next Start button press, blink next fault code. At end of list OR if no fault codes are present, blink all LEDs. Pressing Start at the end of the fault list will wrap back around. Use the fault sequence. 7-segment display models: On Start button press, blink first fault code Display fault code in SSD. At end of list OR if no fault codes are 	 - On Start button press, blink hist radit code - On next Start button press, blink next fault code. - At end of list OR if no fault codes are present, blink all LEDs. - Pressing Start at the end of the fault list will wrap back around. - Use the fault sequence. 7-segment display models: On Start button press, blink first fault code Display fault code in SSD. At end of list OR if no fault codes are present, washer will flash "". 	14	Spin	Pressing Start will start the test. Spin test will perform child safety algorithm before it starts to spin. (Two (2) sprays of water before locking the lid.) The lid must be closed to start the test. If lid is open the Locked LED will blink. When started, the mode shift to spin will occur if required and the lid will be locked. When mode shift is complete, the washer will begin spinning to max spin speed for the model being tested. Spin test will have a (4 minute) timeout. Be sure to only run this test with an empty
	Personality ID	Pressing Start will start the test. Flash the set personality after pressing Start . Models without SSD use binary to show personality. Model with SSD will display personality. (See Personality ID Chart for the correct ID for the model being checked.)	15	Agitate	basket as there is no OOB detection during this test. The spin will stop when the test is exited. The lid will unlock once the speed reaches 0 after the test is exited. Pressing Start will start the test. Agitate test will perform child safety algorithm before it starts to agitate. The lid must be
	UI Software Version (Critical)				closed to start the test. If lid is open, the Locked LED will blink. When started, the mode shift to agitate will occur if required
ritical) After After entering this test, press the Start entering button to toggle through the software this test, version number as follows: press Example: v01.23 the Start High end UI button 1st press - "01" on 7SD to toggle 2nd press - "23" on 7SD				When mode shift is complete, the washer will begin agitating. The test will pause if the lid is opened after starting. The test will resume on lid close if it was running when opened. The test will stop when the test is exited.	
	through the	Low end UI (See Version Diagram below) Major version (Pause LED ON)	10	Clear all Fault Codes	Pressing Start will clear all fault codes.
	software version number as follows:	1st press - Display 0 in binary (all LEDs off) 2nd press - Display 1 in binary Minor version (Lid Locked LED ON) 3rd press - Display 2 in binary 4th press - Display 3 in binary	17	Change Personality	Pressing Start will start the test. Press Start button again and the next valid personality should be displayed. Press and hold the Start button to select the correct personality.
	UI Software Version (Non- critical)	After entering this test, press the Start button to toggle through the software version number as follows: Example: v01.23 High end UI 1st press - "01" on SSD 2nd press - "23" on SSD	18	Analog Knob	Pressing Start will start the test. Each options knob is represented by a specific corresponding status LED. (Far left options knob to the far left status LED) When knob position changes, the LED for the specific knob blinks. With each click to the right, the LED for the specific knob blinks faster.
		Low end UI (See Version Diagram below) Major version (Pause LED ON) 1st press - Display 0 in binary (all LEDs off) 2nd press - Display 1 in binary Minor version (Lid Locked LED ON) 3rd press - Display 2 in binary 4th press - Display 3 in binary			With each click to the left, the LED for the specific knob blinks slower.