

⚠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
Vous pouvez être tué ou gravement blessé si vous ne suivez pas ces instructions.

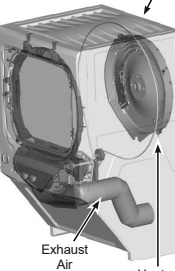
- Réparations seulement par un technicien qualifié.
- Débranchez l'alimentation électrique avant la réparation.
- Rebranchez tous les dispositifs de mise à la terre après la réparation.
- Remettez toutes les pièces et panneaux en place avant d'utiliser l'appareil.

⚠ADVERTENCIA ⚡ Riesgo de Descarga Eléctrica
Usted 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.

AIR FLOW AND SEALS

Proper air flow through the dryer is essential for normal operation of the temperature control and safety systems. Air is **PULLED** into the cabinet from rear and drawn up across the heaters located behind the drum. This hot air is **PULLED** through the drum rear, across the clothes load, through the lint trap and down the trap duct into the blower. From the blower the air is **PUSHED** out of the exhaust system. Any air leaks between the air inlet and the blower, such as lower drum front left or trap duct to cabinet front sealing, will result in improper temperatures. The air being pulled down the trap duct to the drum outlet thermostat will be cooler than normal, giving this thermostat a false indication (delayed or no-trip). Leaks ahead of the blower will also reduce the volume of air across the heaters causing hot spots and possible premature failure.



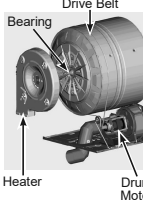
TRAP DUCT SEALING

To inspect the trap duct for proper sealing, remove the lint filter and look down into the duct. With a light examine the trap duct on all sides where it meets the dryer front for voids in sealing. Leaks may be sealed with permagum.

- WHEN FLEXIBLE DUCT IS USED, WE STRONGLY RECOMMEND METALLIC FLEXIBLE DUCT.
- EXHAUST DUCT MUST BE 100mm (4 INCH) DIAMETER
- FOR SPECIFIC EXHAUST SPECIFICATION, REFER TO INSTALLATION INSTRUCTIONS SUPPLIED WITH THE DRYER.

DRIVE BELT

The drum is rotated counterclockwise, as viewed from the front, at a speed of 47-51 RPM. Belt tension is maintained by a spring-loaded idler pulley and driven by a pulley attached to the rear motor shaft.



SERVICE PARTS AND LUBRICATION

Motor & Pulley (24" models) 115V-60Hz	WE17X22214
Motor & Pulley (27" models) 115V-60Hz	WE49X27320
Drive Belt (24" models)	WE12M51
Drive Belt (27" models)	WE12M29
Idler Arm	WE12M50
Drum Bearing Sleeve	WE1M462
Blower Wheel	WE16X20393
Grease - Idler Bearing	WE25X46

LONG VENT MODELS ONLY:

Motor & Pulley (27" LV models) 115V-60Hz	WE49X27321
Idler Arm (LV models)	WE03X27283

SERVICE NOTE:
Some replacement parts may have more terminal connections than the original part. Wire the new part to the same numbered terminals as the original part and disregard the unused terminals unless a special instruction is provided.

WIRING DIAGRAM

The wiring diagram is located on the back of the access panel.

1 To Remove Access Panel:

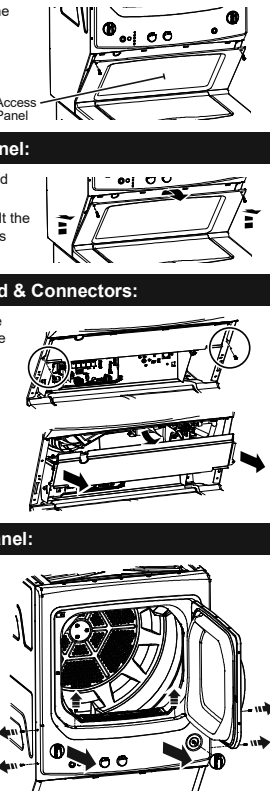
1. Remove two screws at top left and right corners of the access panel.
2. Lift slightly, pull straight out and tilt the panel down. The wiring diagram is mounted to the access panel.

2 To Remove Heat Shield & Connectors:

- To unplug the connectors, remove the two screws in the middle of the heat shield and pull it straight out.

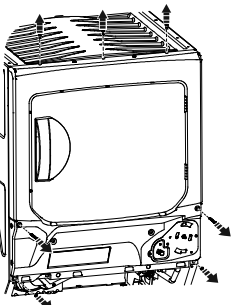
3 To Remove Control Panel:

- Unscrew the screws around the control panel (open the door to see some). Pull straight out slightly on the control panel to remove the dryer knob, remove the dryer knob and remove the control panel.



4 To Remove Front Panel:

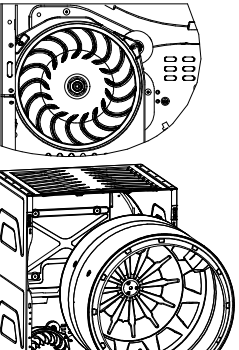
- Remove the front panel mounting screws - 4 screws near the bottom and 3 screws on the top.
- Lift the front panel up, to release the mounting clips, and then remove it.



5 To Remove Drum:

Service procedure: After removing the front panel, move the idler pulley to the bracket motor to lock it, so you can loosen the belt. Once belt is loosened and moved off the motor pulley, slightly lift and pull out the drum.

Reassemble note: Re-route the belt on the motor and idler pulley, then release the idler from the motor bracket. Be sure that the belt is correctly routed on the idler pulley and motor pulley. Slowly turn the drum by hand counter-clockwise to ensure belt is aligned and not twisted. Drum RPM should be between 45-55 after re-assembly of the front panel. Verify that the slides on the top bearing are in the correct position.

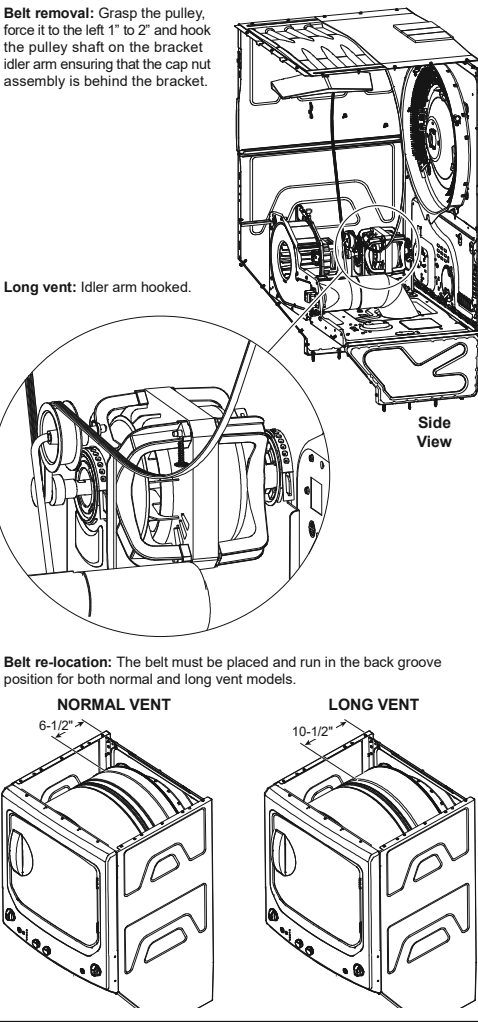


6 For Long Vent Models Only:

1. **Belt removal:** Grasp the pulley, force it to the left 1" to 2" and hook the pulley shaft on the bracket idler arm ensuring that the cap nut assembly is behind the bracket.
2. **Long vent:** Idler arm hooked.
3. **Belt re-location:** The belt must be placed and run in the back groove position for both normal and long vent models.

NORMAL VENT 6-1/2"

LONG VENT 10-1/2"



TIME CHART

TEMPERATURE °C	TEMPERATURE °F	TEMPERATURE °C	TEMPERATURE °F
DRUM OUTLET (LONG VENT ONLY)	120 ± 5	110 ± 6	49 ± 3
DRUM OUTLET (LONG VENT ONLY)	130 ± 5	120 ± 6	55 ± 3
CONTROL INLET (24" MODELS)	155 ± 5	165 ± 6	74 ± 3
CONTROL INLET (24" MODELS)	165 ± 5	175 ± 6	80 ± 3
CONTROL INLET (LONG VENT ONLY)	205 ± 5	215 ± 6	86 ± 3
SAFETY	235 ± 5	245 ± 6	92 ± 3
SAFETY (LONG VENT ONLY)	225 ± 5	235 ± 6	87 ± 3
HIGH LIMIT	355 ± 5	365 ± 6	145 ± 3

WINDINGS & COILS RESISTANCE VALUES

START	END	RESISTANCE (Ω)
MAIN DRUM MOTOR	2.85 - 3.20	Ω
BLOWER MOTOR	14.25 - 15.75	Ω
HEATER COILS 27"	23.70 - 26.00	Ω
HEATER COILS 24"	25.20 - 29.00	Ω
INLET & OUTLET	2334 - 3545	Ω

WIRE COLOR

WIRE COLOR	WIRE COLOR
U	BROWN/WHITE
V	YELLOW
X	YELLOW
A	ORANGE
S	RED
B	RED
F	NOT USED

TERMINAL BLOCK

TERMINAL	WIRE COLOR
1	U
2	V
3	X
4	A
5	S
6	B
7	F

TERMINAL BLOCK

TERMINAL	WIRE COLOR
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TERMINAL BLOCK

TERMINAL	WIRE COLOR
1	U
2	V
3	X

WASHER

▲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.

This machine must be electrically grounded through the grounding lead in the 3-prong power cord. The cord must be plugged into a properly installed and grounded appliance outlet. If local codes require an additional ground connection, use an 14-gauge or larger wire to connect the washer cabinet to an established ground. In all cases the grounding method must comply with all local codes and ordinances.

▲AVERTISSEMENT ⚡ Risque de choc électrique

Vous 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.

Cette machine doit être mise à la terre par la broche de mise à la terre du cordon d'alimentation à 3 broches. Le cordon doit être branché dans une prise d'alimentation pour un appareil électroménager correctement installée et mise à la terre. Si les codes locaux demandent une connexion de mise à la terre supplémentaire, utilisez un fil de calibre 14 ou supérieur pour connecter le cabinet de la laveuse à une mise à la terre établie. Dans tous les cas, la méthode de mise à la terre doit être conforme à tous les codes et ordonnances locaux.

▲ADVERTENCIA ⚡ Riesgo de Descarga Eléctrica

Usted 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.

Esta máquina debe estar conectada a tierra a través de una clavija de conexión a tierra del cable de alimentación de 3 clavijas. El cable debe estar enchufado en un tomacorriente para un aparato electrodoméstico correctamente instalado y conectado a tierra. Si los códigos locales requieren una conexión a tierra adicional, utilice un cable de calibre 14 o mayor para conectar el gabinete de la lavadora a una conexión a tierra establecida. En todos los casos, el método de puesta a tierra debe cumplir con todos los códigos y ordenanzas locales.

Entry into Consumer Error Mode (CEM)

- While the machine is in IDLE STATE ONLY (all LEDs off), press and hold the **Start** button for 10 seconds.
- After holding the **Start** button for 10 seconds, all LEDs will turn on, signifying you may release the **Start** button and the control will boot into CEM.

Behaviors While In Consumer Error Mode (CEM)

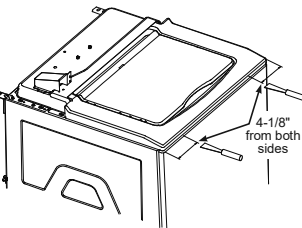
- First fault, if present, will blink on the display using binary code.
- Pressing the **Start** button will display the next fault code in binary by blinking the status LEDs.
- All status LEDs will blink if:
- The end of the fault buffer has been reached
- No faults are present

Exiting Consumer Error Mode (CEM)

- Pressing any button (other than **Start**) or turning any knob will exit Consumer Error Mode.
- Consumer Error Mode will time out after 10 minutes.

① To Remove Front Panel:

1. Locate the two front spring clips between the top cover and the front panel, by inserting a putty knife about 4-1/8" from each side of cabinet (see illustration).
2. Push putty knife in to release clip on both sides.
3. Rotate the front panel forward and lift off the cabinet base locating tabs.
4. Reverse procedure to reassemble.

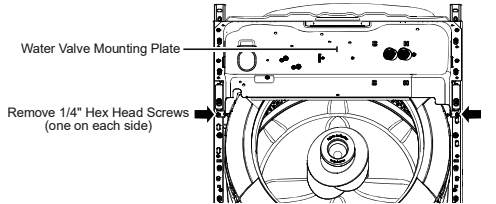


② To Remove Cover/Lid Assembly:

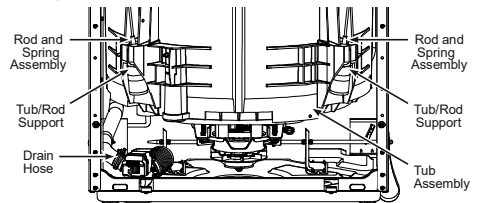
1. Remove front panel using step ①.
2. Remove two 1/4" hex screws on front of cabinet.
3. Reach under the lid assembly and locate lid switch. Squeeze lid switch latch in to release while gently pushing it upward. Guide lid switch through opening.
4. Remove lid lock by removing two Phillips #2 screws located at left side of cover recess.
5. Disconnect lid lock harness from top cover. **NOTE:** Do **NOT** cut the black wire tie. As needed, remove and reinstall it.
6. Remove cover/lid assembly.
7. Reverse procedure to reassemble.

③ To Remove Spin Basket:

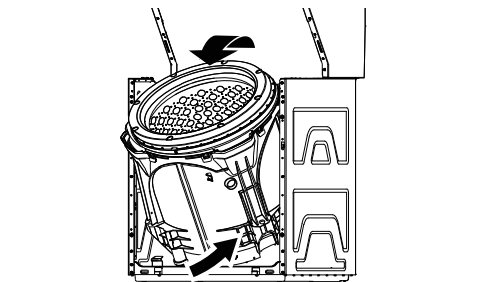
1. Drain all water from tub by turning on washer to **Drain & Spin** cycle.
2. Complete steps ① and ②.
3. Disconnect drive harness and pressure switch hose (release all wire ties).
4. Disengage the water valve mounting plate from the cabinet by removing two 1/4" hex head screws.



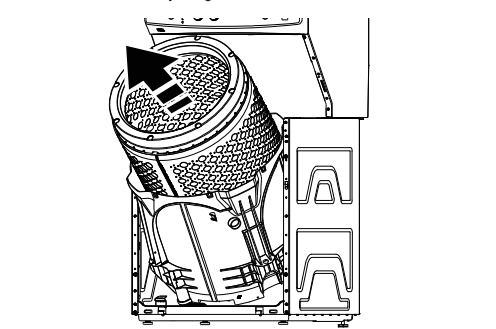
5. Remove tub cover by lifting tabs on tub cover and pull off. Locate alignment tabs on tub for reassembly.
6. Remove 7/16" hex bolt attaching agitator to spline shaft.
7. Remove agitator by lifting it straight up and off the shaft.
8. Remove left-handed 1-5/16" hub nut. **NOTE:** This nut is aluminum so take care not to round the edges when removing or replacing.
9. Disconnect drain hose inlet (black hose) from bottom of tub.
10. Remove front rod and spring assembly (one at a time) by lifting tub assembly to take weight off suspension spring at lower portion of rod. Pull the spring assembly out of the tub leg and repeat for rear rod and spring assemblies. Allow them to hang freely. **NOTE:** The front rod and spring assemblies are color coded according to spring color and should not be switched.



11. The tub assembly will now lean forward after both front rod and spring assemblies are unhooked at tub supports.
12. Lift and push the tub/drive assembly bottom towards the rear of the cabinet and pull the top of tub out under top lip of cabinet.



13. Pull basket out of tub by lifting it out as shown below.



14. Reverse procedure for reassembly.

④ To Service Motor:

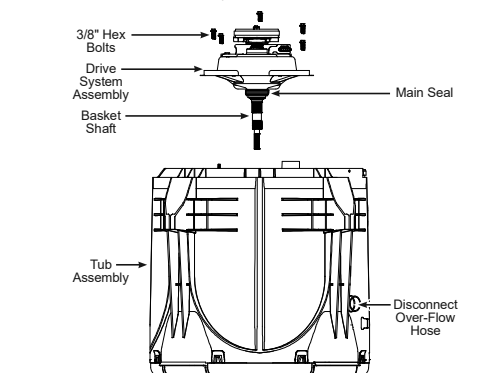
1. Complete step ①.
2. Remove belt by pushing down on belt near motor pulley while turning large pulley.
3. Disconnect wire harness to motor and speed sensor.
4. Remove two 1/2" hex motor bolts and pull out (the motor shield will be loose at this time).

To Reinstall Motor:

1. Set top shield, motor, motor grommets, motor brackets and hand-start the two motor bolts.
2. Attach belt to motor pulley and rotate large pulley until the belt slack is taken up.
3. Pull motor until belt tension (8-11 lbs) is properly set and tighten motor bolts.
4. Reconnect motor power and speed sensor connectors up until tabs are fully seated and place wire tie.
5. Reverse procedure to reassemble.
6. Put the machine on **Drain & Spin** cycle, close lid then the control will pulse the lid lock and lock the lid.
7. The machine will start to drain and the spin will start after some seconds. Let the spin run and pause unit.
8. After the basket stops the lid lock will be release.

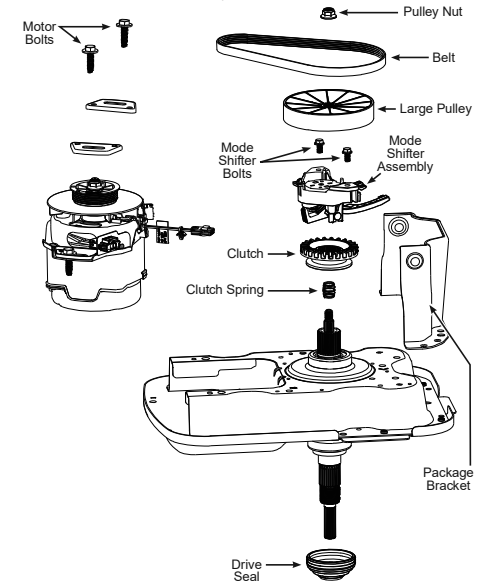
⑤ To Service Tub:

1. Complete steps ①, ② and ③.
2. Remove 3/8" hex bolts attaching drive assembly to tub (16 bolts for 27" wide stack unit and 14 bolts for 24" wide stack unit).
3. Disconnect over flow hose (black hose) at wall tub.
4. Place a new main seal on drive system before reassembling tub, clean tub surface, set the seal in a way to avoid damages with basket shaft.
5. Reverse procedure to reassembly.



⑥ To Remove Transmission:

1. Complete steps ①, ② and ③.
2. Remove belt by pushing up on belt near motor pulley while turning large pulley.
3. Remove two 1/2" hex motor bolt and pull out (the motor shield will be loose at this time).
4. Remove large pulley by holding pulley with one hand and removing 5/8" hex nut.
5. After pulley is removed, remove two 3/8" hex bolts on shifter assembly.
6. Shifter and shifter spring will be loose at this time.
7. Remove two 1/2" hex bolts from package bracket.
8. Place a new main seal on drive system before reassembly on tub.
9. Reverse procedure to reassembly.



Fault Code	Name	Description	Repair Action
1	Lock Monitor	Lid lock didn't occur or lid lock signal not seen by control due to lack of connection.	<ul style="list-style-type: none">• 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 good at the time of service, replace the lid lock assembly.• Replace lid lock if it happens frequently.
2	Lid Monitor	Control did not get lid closed signal from switch while motor was moving. Could mean the switch didn't close or control didn't get the signal because of lack of connection.	<ul style="list-style-type: none">• 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.
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.	<ul style="list-style-type: none">• Check mode shifter coupler for damage and the ability to slide in and out freely.• Use 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 and no operation, replace the mode shifter.
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.	<ul style="list-style-type: none">• Check to make sure house water supply valves are turned on.• Check pressure tube for trapped water.• Check water valve operation and 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.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.• Check pressure tube for trapped water.• Check water valve operation.• Check pressure tube for pinches where it goes through top cover grommet.• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• Check pressure tube for trapped water.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
6	Critical Flood Level by Pressure	Control received an extended period of pressure readings that is nearing over-flow levels. Pressure 14.89". 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.	<ul style="list-style-type: none">• Check each valves operation. (Replace water valve and send back to GE Appliances.)• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• Check pressure tube for pinches where it goes through top cover grommet.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
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.	<ul style="list-style-type: none">• Check water valve operation.• Check pressure tube for pinches where it goes through top cover grommet.• 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 and no operation, replace the mode shifter.
9	Lid Switch Redundancy	Start attempted for a 4th cycle when the previous 3 cycles 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.	<ul style="list-style-type: none">• 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 J512 connector.• If voltage is present and no operation, replace the mode shifter.
10	Mode Shift Feedback Monitor	Signal feedback state from the mode shifter (agitator or spin) and the state requested by the control are not the same and the basket or agitator is rotating faster than 45 RPM. Agitate mode feedback signal is no voltage.	<ul style="list-style-type: none">• 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 J512 connector.• If voltage is present and no operation, replace the mode shifter.
12	Redundant Flood Condition	Backup processor received an extended period of pressure readings that is nearing over-flow levels. Pressure 15.39". 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.	<ul style="list-style-type: none">• Check each valves operation. (Replace water valve and send back to GE Appliances.)• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• Check pressure tube for pinches where it goes through top cover grommet.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
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 > 65 RPM when the lid lock feedback has no voltage (Lid Unlocked). Lid Switch Feedback has no Voltage when the BRPM is > 65 RPM.	<ul style="list-style-type: none">• 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.
15	Water Temp Sensor Invalid	1. Thermistor disconnected/not present. 2. Failed thermistor.	<ul style="list-style-type: none">• 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.
17	Dry Load Sense Timeout	Dry load sense times out and moves to the next part of the cycle selected. This occurs when washer is not reaching target speed within a defined time limit for load type selected.	<ul style="list-style-type: none">1. Check for water in the bottom of the tub. If so drain and try cycle again2. Check the basket for excessive friction. Basket should spin freely. If not, find source of friction and remove it.
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.	<ul style="list-style-type: none">This fault is set and will be seen with fault 16 when drain pump clearing algorithm failed to remove the blockage and the rest of the water in the tub. Also this fault may occur due to possible issue with the pressure sensor system. If drain pump system is working correctly, refer to the last four steps of fault 8.• Check Owner's Manual and Installation Instructions for proper standpipe height.• 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.• Check water valve operation.• Check pressure tube for pinches where it goes through top cover grommet.• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• Check pressure tube for trapped water.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
19	UI State Timeout	This will happen if a cycle is paused or canceled and water is left in the tub for more than 24 hours.	<ul style="list-style-type: none">This is a normal operation. This will happen if the consumer and/or control switched cycle to a paused state.• Check water valve operation.• Check pressure tube for pinches where it goes through top cover grommet.• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• Check pressure tube for trapped water.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
20	Critical Flood Level by Gallons	A. 24" Model - Critical Flood Volume = 19.89 (+/-0.5) gallons. B. 27" Model - Critical Flood Volume = 29.54 (+/-0.5) gallons.	<ul style="list-style-type: none">• 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.• Check for excessively OOB load. Customer Education on how to distribute load.
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.	<ul style="list-style-type: none">• 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. If basket is bad, replace it.• Check speed sensor for loose connection to the motor.
23	Critical Lid Lock Failure	1. Lock blockage 2. Lid Lock failure. Will not lock or unlock or is locked while lid is opened.	<ul style="list-style-type: none">• 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.
24	Lid Logic Failure	Lid switch failure. This fault is set if the system perceives the lid to be both OPEN and LOCKED for 5 consecutive seconds.	<ul style="list-style-type: none">1. Check harness and connections from the control to the lid lock assembly for damage and continuity.2. 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 assembly.
25	Pressure Sensor Dropout	1. Disconnected pressure hose. 2. Pressure tube is pinched or has water in it. 3. Pressure sensor failure.	<ul style="list-style-type: none">• Check pressure tube for pinches where it goes through top cover grommet.• Check pressure tube for trapped water.• Check water valve operation and 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.• Ensure pressure chamber port is free from obstruction using drill bit size 1/16" by hand so as not to drill through the inner wall.
26	Out of Balance (OOB) Ended Final Spin	Washer could not redistribute load to eliminate OOB condition to achieve final targeted spin speed.	<ul style="list-style-type: none">• Manually rebalance the load, check basket for damage, and run a Drain & Spin cycle.• If washer spins properly, talk with consumer about loading.• If the washer will not spin properly, check the balance ring, the rod and spring assemblies, the speed sensor, and the speed sensor harness for proper operation.• Check if the unit is stable and levelled.
27	Water Accessibility	This will happen if water is left in the tub with the lid open for more than 15 minutes.	<ul style="list-style-type: none">• Check the output voltage from the pressure sensor to ensure it matches the water level in the basket according to the pressure sensor chart.• This is a normal operation. This will happen if the consumer and/or control switched cycle to a paused state.
28	Options Knobs Feedback Invalid	This fault is set if a cycle is running and an invalid knob position is detected.	<ul style="list-style-type: none">• Make sure knobs are in a valid position.• Ensure knob harness is fully seated and not routed under knob assembly.
29	Suds Lock Abatement Failure	Cycle has terminated due to too many suds.	<ul style="list-style-type: none">• Ensure basket is able to rotate freely.• Ensure consumer is using the proper amount of HE detergent.• Ensure speed sensor is plugged in and correctly seated to the motor.
30	Stuck Button Fault	Buttons not operating when pressed.	<ul style="list-style-type: none">• Check buttons and adjust.• Check button free.• Check the clearance between the button and the backslash hole.
31	Out of Balance (OOB) Feedback in Final Spin	This fault is set if machine is unable to reach terminal speed during final spin due to OOB.	<ul style="list-style-type: none">• Manually rebalance the load, check basket for damage, and run a Drain & Spin cycle.• If washer spins properly, talk with consumer about loading.• If the washer will not spin properly, check the balance ring, the rod and spring assemblies, the speed sensor, and the speed sensor harness for proper operation.• Check if the unit is stable and levelled.
32	Critical Lid Lock Failure: Can't Unlock Lid	This fault is set when the software has tried multiple times to unlock the lid without success.	<ul style="list-style-type: none">• Check to ensure lid lock harness is correctly seated on the lid lock and control board.

Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights
	●=ON ○=OFF ●=Blinking
	On Wash Rinse Spin Lid Locked
1	○ ○ ○ ○ ○
2	○ ○ ○ ○ ○
3	○ ○ ○ ○ ○
5	○ ○ ○ ○ ○
6	○ ○ ○ ○ ○
8	○ ○ ○ ○ ○
9	○ ○ ○ ○ ○

Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights
	●=ON ○=OFF ●=Blinking
	On Wash Rinse Spin Lid Locked
10	○ ○ ○ ○ ○
12	○ ○ ○ ○ ○
13	○ ○ ○ ○ ○
15	○ ○ ○ ○ ○
17	○ ○ ○ ○ ○
18	○ ○ ○ ○ ○
19	○ ○ ○ ○ ○

Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights
	●=ON ○=OFF ●=Blinking
	On Wash Rinse Spin Lid Locked
20	○ ○ ○ ○ ○
22	○ ○ ○ ○ ○
23	○ ○ ○ ○ ○
24	○ ○ ○ ○ ○
25	○ ○ ○ ○ ○
26	○ ○ ○ ○ ○
27	○ ○ ○ ○ ○

Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights
	●=ON ○=OFF ●=Blinking
	On Wash Rinse Spin Lid Locked
28	○ ○ ○ ○ ○
29	○ ○ ○ ○ ○
30	○ ○ ○ ○ ○
31	○ ○ ○ ○ ○
32	○ ○ ○ ○ ○

KEY ● ON ○ OFF ● BLINK

WASHER FIELD SERVICE MODE

ENTRY OF FIELD SERVICE MODE:

Control must be in idle/standby state (all leds off). Press and hold **Start** button, turn the cycle knob 180 degrees and then release **Start** button. Once service mode is entered, all LEDs will blink. Rotate knob clockwise to various positions per service function table to perform functional checks. When a test is tested, it is necessary to turn the program knob to another position, to turn off the load.

EXIT OF FIELD SERVICE MODE:

Field service mode will time out after 30 minutes if there is no user activity. Press and hold **Start** button for 3 seconds or unplug power to the machine. When exiting field service mode and going back to standby the previous cycle state may not be restored.

Once the washer is in service mode, the following service features are available via the cycle knob (on some models):

Knob Index/Test number (Displayed in binary format utilizing the cycle status LEDs)	Test Name	Description of test
0	All LEDs blink	If tests call for numbers to be shown it will: (Displayed in binary format). Turning the cycle knob will index to the next or prior test.
1	Fault Codes	- On Start button press, display the first fault code in binary. - On next Start button press, blink next fault code. - At end of test OR if no fault codes are present, scroll the LEDs in a light pattern. - Pressing Start at the end of the fault list will wrap back around.
2	Personality ID	Pressing Start shall start the test. Flash the set personality after pressing Start using binary code where the Lid Locked LED is the least significant digit. 0 = 24" models 1 = 27" models
3	MC Software Version (Critical)	After entering this test, press the Start button to toggle through the software version number as follows: (Example: V01.23) Major Version (Lid Locked LED ON) 1st Press - Display 0 in binary (all LEDs off). 2nd Press - Display 1 in binary. Minor Version (Lid Locked LED OFF). 3rd Press - Display 2 in binary. 4th Press - Display 3 in binary.
4	MC Software Version (Non-critical)	After entering this test, press the Start button to toggle through the software version number as follows: (Example: V01.23) Major Version (Lid Locked LED ON) 1st Press - Display 0 in binary (all LEDs off). 2nd Press - Display 1 in binary. Minor Version (Lid Locked LED OFF). 3rd Press - Display 2 in binary. 4th Press - Display 3 in binary.
5	XML Version (Non-critical)	After entering this test, press the Start button to toggle through the software version number as follows: (Example: V01.23) Major Version (Lid Locked LED ON) 1st Press - Display 0 in binary (all LEDs off). 2nd Press - Display 1 in binary. Minor Version (Lid Locked LED OFF). 3rd Press - Display 2 in binary. 4th Press - Display 3 in binary.
6	UI Version (Critical)	After entering this test, press the Start button to toggle through the software version number as follows: (Example: V01.23) Major Version (Lid Locked LED ON). 1st Press - Display 0 in binary (all LEDs off). 2nd Press - Display 1 in binary. Minor Version (Lid Locked LED OFF). 3rd Press - Display 2 in binary. 4th Press - Display 3 in binary.
7	UI Version (Non-critical)	After entering this test, press the Start button to toggle through the software version number as follows: (Example: V01.23) Major Version (Lid Locked LED ON). 1st Press - Display 0 in binary (all LEDs off). 2nd Press - Display 1 in binary. Minor Version (Lid Locked LED OFF). 3rd Press - Display 2 in binary. 4th Press - Display 3 in binary.
8	Hot Water Valve	Pressing Start will toggle the hot 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.
9	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.
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 water levels are crossed. The levels are: 2", 3", 4", 5", 6".
11	Drain Pump	Pressing Start will toggle the drain pump on and off. Test will have a timeout for how long drain pump will be on (4 minutes). The drain pump will turn off when the test is exited.
12	Lid Switch	Pressing Start will start the test. When the lid is open, the Lid Locked LED will blink. When the lid is closed, the Spin LED will blink.
13	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 Lid 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 unit will begin spinning. Spin test will have a timeout (4 minutes). No OOB detection during the spin. The spin shall stop when the test is exited. The lid shall unlock once the speed reaches 0 after the test is exited.
14	Agitate	Pressing Start will start the test. Agitate test will perform child safety algorithm before it starts to agitate. The lid must be closed to start the test. If lid is open, the Lid Locked LED will blink. When started, the mode shift to agitate will occur if required. When mode shift is complete, the unit 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.
15	Clear all Fault Codes	Pressing Start will clear all fault codes.
16	Analog Knob	Pressing Start will start the test. Each knob is represented by a specific status LED. When knob position changes, LED for the specific knob indicates knob position. The far left selection will turn the corresponding LED on solid. With each click to the right, the LED for the specific knob blinks faster. Clicking back to the left will reduce the blink frequency until it gets to the far left selection, then the LED will stay on solid. The left option knob will control the deep rinse LED (*On* LED). The right option knob will control the wash rinse LED (*Wash* *LED*).