

⚠ 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.

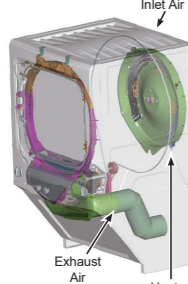
⚠ AVERTISSEMENT Risque de choc électrique
 Vous pouvez être tué ou gravement blessé si vous ne suivez pas ces instructions.

- 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.

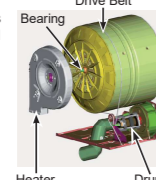
AIR FLOW AND SEALS
 Proper air flow through the dryer is essential for normal operation of the temperature control and safety systems. Air is PULLED into the cabinet from rear and drawn up across the heaters located behind the drum. This hot air is PULLED through the drum rear, across the clothes load, 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 a 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 perma-gum.

- 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

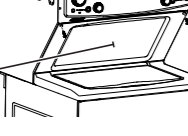
Motor & Pulley (24" models)	115V-60Hz	WE17X22214
Motor & Pulley (27" models)	115V-60Hz	WE49X27320
Drive Belt (24" models)		WE12M51
Drive Belt (27" models)		WE12M29
Idler Arm		WE12M50
Drum Bearing Sleeve		WE1M462
Blower Wheel		WE16X20393
Grease - Idler Bearing		WE25X46

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.



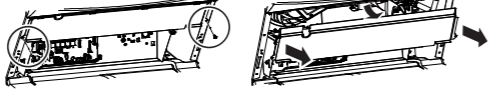
1 To Remove Access Panel:

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.



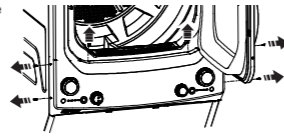
2 To Remove Heat Shield & Connectors:

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



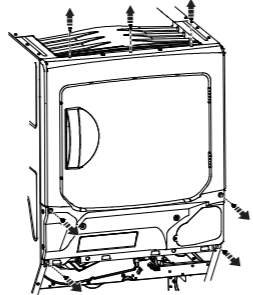
3 To Remove Control Panel:

• Unscrew the screws around the control panel (open the door to see top screws) and remove them. Pull the control panel straight out and remove it.



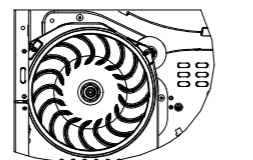
4 To Remove Front Panel:

• 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.

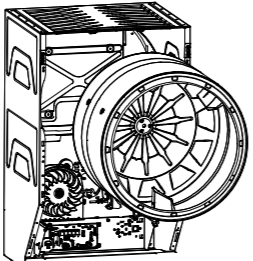


5 To Remove Drum:

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.

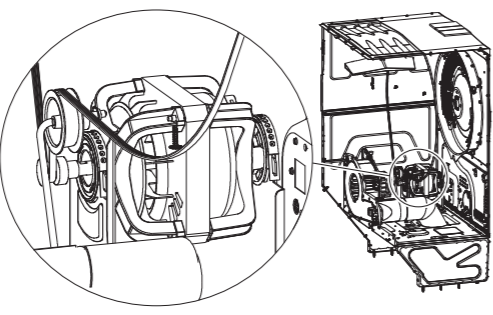


Reassembly note: Re-route the belt on the motor and idler pulley, then release the idler from the motor bracket. Be sure that the belt is correctly routed on the idler pulley and motor pulley. Slowly turn the drum by hand counter-clockwise to ensure belt is aligned and not twisted. Drum RPM should be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

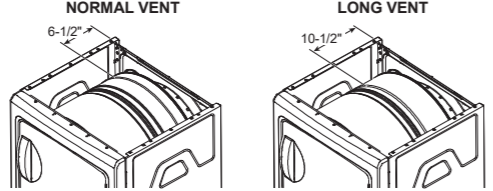


6 For Long Vent Models Only:

1. **Belt removal:** Grasp pulley, force it to the left 1" to 2" and hook pulley shaft on bracket idler arm ensuring that 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.



ELECTRIC DRYER & UNITIZED LAUNDRY CENTER APPLIANCE WIRING DIAGRAM

DRYER FIELD SERVICE MODE
 ENTRY OF FIELD SERVICE MODE:
 Control must be in idler/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 the knob clockwise to various positions per service function table to perform functional checks. When a load is tested, it is necessary turn the program knob to another position, to turn off the load.

ONCE IN SERVICE MODE:
 Control will be in test selection mode displaying beginning with Test Number 0 (00). Test number will be displayed using binary on the status displays. Rotating the knob counter clockwise will decrement the test number in the display. Rotating the knob clockwise will increment the test number in the display. Turning the knob to a different test will terminate any current active state. Once the test number is selected, pressing Start will begin the selected test.

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 dryer is in service mode, the following service features are available via the cycle knob:

Test #	Damp LED (6)	Drying LED (4)	Cooling LED (2)	E-Dry LED (1)	Test Name	Description
0	Off	Off	Off	On	LED Test	No need to press the Start button. All LEDs on the display will blink at a rate of 1Hz.
1	Off	Off	Off	On	Fault Codes	Fault codes will be displayed using this strategy. On Start button press, display the first fault code. Press Start button press, blink next fault code. At end of list 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. Use the fault table. Faults >= 100 will not be displayed in service mode.
2	Off	Off	On	Off	Shows Personality ID	Pressing Start will start the test. Off, Off, Off = Unknown Off, Off, Blink = Electric Off, Off, Blink, Off = Gas
3	Off	Off	On	On	Shows MB Software Version (Critical)	After selecting this test, press the Start button to toggle through the software version number as follows: Example: v01.23 See Version Diagram Below - Major Version (LEDs ON will be solid) - 1st Press - Displays 0 in binary (all LEDs OFF) - 2nd Press - Displays 1 in binary - Minor Version (LEDs ON will flash) - 3rd Press - Displays 2 in binary - 4th Press - Displays 3 in binary
4	Off	On	Off	Off	Shows MB Software Version (Non Critical)	After selecting this test, press the Start button to toggle through the software version number as follows: Example: v01.23 See Version Diagram Below - Major Version (LEDs ON will be solid) - 1st Press - Displays 0 in binary (all LEDs OFF) - 2nd Press - Displays 1 in binary - Minor Version (LEDs ON will flash) - 3rd Press - Displays 2 in binary - 4th Press - Displays 3 in binary
5	Off	On	Off	On	Shows Parametric Version (Non Critical)	After selecting this test, press the Start button to toggle through the software version number as follows: Example: v01.23 See Version Diagram Below - Major Version (LEDs ON will be solid) - 1st Press - Displays 0 in binary (all LEDs OFF) - 2nd Press - Displays 1 in binary - Minor Version (LEDs ON will flash) - 3rd Press - Displays 2 in binary - 4th Press - Displays 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 mode, then the XML critical version is correct.
6	Off	On	On	Off	Shows UI Software Version (Critical)	After selecting this test, press the Start button to toggle through the software version number as follows: Example: v01.23 See Version Diagram Below - Major Version (LEDs ON will be solid) - 1st Press - Displays 0 in binary (all LEDs OFF) - 2nd Press - Displays 1 in binary - Minor Version (LEDs ON will flash) - 3rd Press - Displays 2 in binary - 4th Press - Displays 3 in binary
7	Off	On	On	On	Shows UI Software Version (Non Critical)	After selecting this test, press the Start button to toggle through the software version number as follows: Example: v01.23 See Version Diagram Below - Major Version (LEDs ON will be solid) - 1st Press - Displays 0 in binary (all LEDs OFF) - 2nd Press - Displays 1 in binary - Minor Version (LEDs ON will flash) - 3rd Press - Displays 2 in binary - 4th Press - Displays 3 in binary
8	On	Off	Off	Off	Outlet Thermistor Test	Pressing Start will start test. The control will display the outlet thermistor temperature using the 4 LEDs as a simple thermometer. LEDs will blink per the "Thermistor Test Temperature Table" below based on the temperature reading. The control will start the drum motor during the test. Electric units will turn on the outer coil during the test. Gas units will turn on the heater during this test. (Gas only has 1 output for heat.) Opening the dryer door will turn off the drum and heaters and exit the test. The control will turn off the drum motor and all heat sources before exiting this test. Temperature will be limited to the cottons high max temperature limit. The test will exit after running for 5 minutes.
9	On	Off	Off	On	Inlet Thermistor Test	Pressing Start will start test. The control will display the inlet thermistor temperature using the 4 LEDs to indicate the current temperature range detected. LEDs will blink per the "Thermistor Test Temperature Table" below based on the temperature reading. The control will start the drum motor during the test. Electric units will turn on the inner coil during the test. Gas units will turn on heat during this test. (Gas only has 1 output for heat.) Opening the dryer door will turn off the drum and heaters and exit the test. The control will turn off the motor and all heater sources before exiting this test. Temperature will be limited to the cottons high max temperature limit. The test will exit after running for 5 minutes.
10	On	Off	On	Off	Moisture Sensor Test	Pressing Start will start test. Moisture sensor ADC count will be displayed by blinking the LED representing the current range of the ADC count of the moisture sensor based on the moisture sensor test table below.
11	On	On	Off	Off	Door opening/closed test	Pressing Start will start test. Left LED will be on. Next LED will be ON if the door is OPEN. OFF if the door is CLOSED.
12	On	On	Off	Off	Door Latch	Latch Disabled Test: Open the Door. Press Start. Left LED will be ON. All other LEDs should be OFF. Latch Set Test: Close the Door. Press Start. Left LED will be ON. Next LED should be ON if the Latch is Set.
13	On	On	Off	On	Clears all F Codes	Pressing Start will clear all F codes.
14	On	On	On	Off	Analog Knob	Pressing Start will start the test. Change the temperature knob to see the following LEDs displayed: Normal = LEDs = Off, Off, Off, On Medium = LEDs = Off, Off, On, Off Low = LEDs = Off, Off, On, On Off = LEDs = Off, On, Off, Off

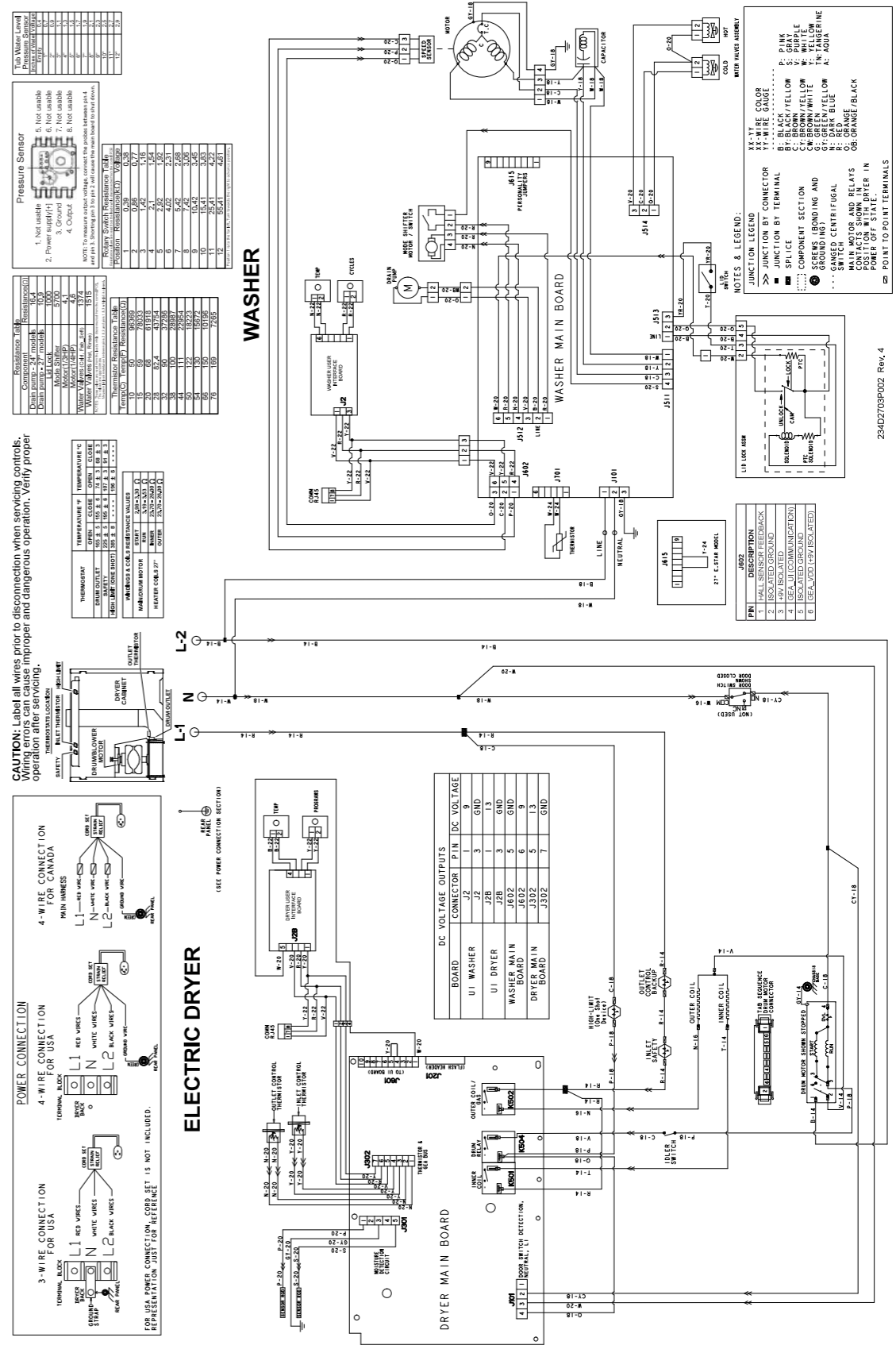
Thermistor Test Temperature Table
 The given LED will blink when the temperature is within the stated range.

Inlet Temp Ranges (°F)	Damp LED	Drying LED	Cooling LED	E-Dry LED
0 - 75	0 - 75	76 - 102	103 - 128	129 +
Outlet Temp Ranges (°F)	0 - 75	76 - 90	91 - 120	120 +

Moisture Sensor Test Voltage Table
 The given LED will blink when the voltage is within the stated range.

Moisture Sensor Voltage Range	Damp LED	Drying LED	Cooling LED	E-Dry LED
0.00V - 1.25V	1.26V - 2.5V	2.6V - 3.75V	3.76V - 5.00V	

Fault Code	Name	Description	Repair Action
1	Inlet Thermistor	Thermistor readings out of range	• Run inlet thermistor test. • Replace the thermistor. • If fault persists, replace main harness.
2	Outlet Thermistor	Thermistor readings out of range	• Run outlet thermistor test. • Replace the thermistor. • If fault persists, replace main harness.
6	Stuck Button	If button is stuck for more than 1 minute, fault will be set.	• Ensure proper operation of all buttons. • If the Start button is stuck, it is a component of the UI board. Replace UI board and clear fault.
7	Miswired L2 and Neutral	L2 and Neutral are miswired.	• Unplug the dryer and check for 120 VAC at the house receptacle from L1 to Neutral and L2 to Neutral. • Check for 240 VAC between L1 and L2. • Check power cord connection to dryer terminal block for miswired wires between L2 and Neutral. If wired incorrectly, reposition wires onto the correct terminals. • If voltage is good and the wires are located on the correct terminals, plug the dryer into the house receptacle and reduce the voltage between L1 and L2 to Neutral. If voltage reads 240 VAC between L2 and Neutral, it is a house wiring issue. Advise to have a certified electrician check the house wiring.
8	Door latch not opened for 5 cycles	Door latch has not opened for 5 cycles.	• Check harness and connectors from the start switch to the main board. • If the harness and connectors ohm good, replace main board. The door latch is a component of the main board.
9	Drum Load Detection	Drum load was detected 5 cycles.	• Verify if load is wet. • If load is wet and detects a dry load, review sensor rod signal. (Run moisture sensor test.) • If moisture sensor test fails, verify connection between harness and sensor rods. If needed, replace sensor rod harness. • If fault persists, replace dryer main board.
10	Empty Drum Detection	Empty load was detected during first 2 minutes. Cycle ends.	• Verify if load is wet. • If load is wet and detects an empty drum, review sensor rod signal. (Run moisture sensor test.) • No communication between the UI and MC for 60 seconds. • If moisture sensor test fails, verify connection between harness and sensor rods. If needed, replace sensor rod harness. • If fault persists, replace dryer main board.
13	Door switch Signal Fault	Door switch has not opened for 5 cycles.	• Verify if door switch is physically stuck or damaged and check continuity of door switch. • If so, replace door switch. • If fault persists, check harness and connections. Replace harness.
14	Door Latch Pulsing Fault	Unstable door latch pulsing signal.	• If Damp and Cooling LEDs are blinking, replace dryer main board.



Fault Code	Name	Description	Repair Action
15	Door Switch Stuck High	Door signal is continuously reading high (5 VDC).	• Replace dryer main board.
16	UI - MC Communication	No communication between the UI and MC for 60 seconds.	• Check harness and connections between the user interface and main board. • If harness is good, check output voltage (13VDC) from main board to user interface board. • If voltage is good, replace user interface board. • If no voltage from the main board, replace the main board.
17	UI-MC Event Sequence Communication Overrun	Event buffer between the UI and MC was overrun.	• This can happen if user is pressing buttons/turning knobs extremely fast and overloading UI system. • If fault persists, replace UI board.
100	Drum ground signal	No drum ground was detected.	• Verify that ground strap makes contact with drum or is damaged. • If so, fix or replace drum ground strap. • If fault persists, verify if load is wet. • If load is wet, review sensor rod signal. (Run moisture sensor test.) • If moisture sensor test fails, verify connection between harness and sensor rods. If needed, replace sensor rod harness. • If fault persists, replace dryer main board.

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.

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 - 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.

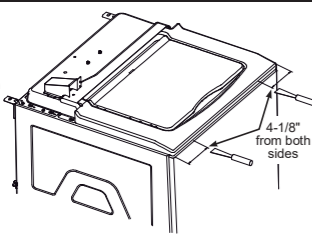
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- El servicio técnico sólo debe ser realizado por un técnico calificado.
 - Desconecte el suministro de corriente antes de realizar el servicio técnico.
 - Luego del servicio técnico, vuelva a conectar todos los dispositivos de conexión a tierra.
 - 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.

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.

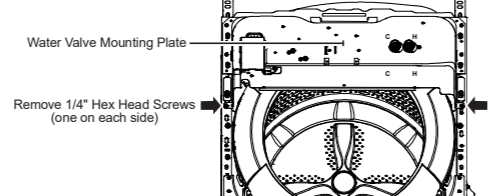


2 To Remove Cover/Lid Assembly:

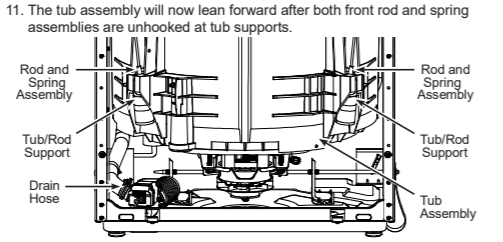
1. Remove front panel using step 1.
2. Remove two 1/4" hex screws on front of cabinet.
3. Reach under the lid assembly and locate lid switch. Squeeze lid switch latch in to release while gently pushing it upward. Guide lid switch through opening.
4. Remove lid lock by removing two Phillips #2 screws 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:

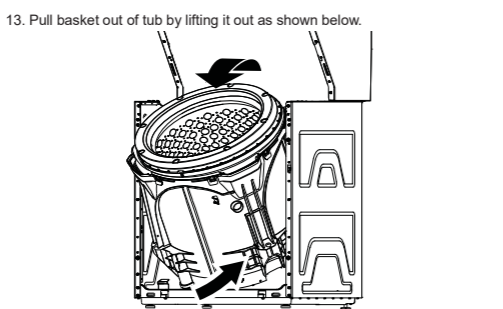
1. Drain all water from tub by turning on washer to **Drain & Spin** cycle.
2. Complete steps 1 and 2.
3. Disconnect drive harness and pressure switch hose (release all wire ties).
4. Disengage the water valve mounting plate from the cabinet by removing two 1/4" hex head screws.



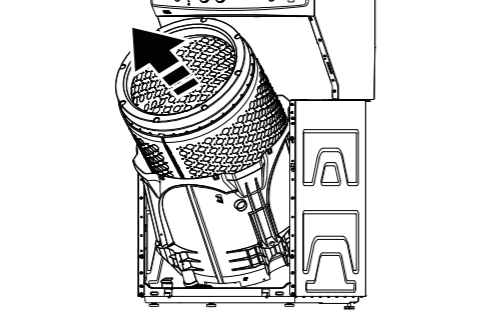
5. Remove tub cover by lifting tabs on tub cover and pull off. Locate alignment tabs on tub for reassembly.
6. Remove 7/16" hex bolt attaching infusor to spline shaft.
7. Remove infusor by lifting it straight up and off the shaft.
8. Remove left-handed 1-5/16" hub nut. **NOTE:** This nut is aluminum 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.



4 To Service Motor:

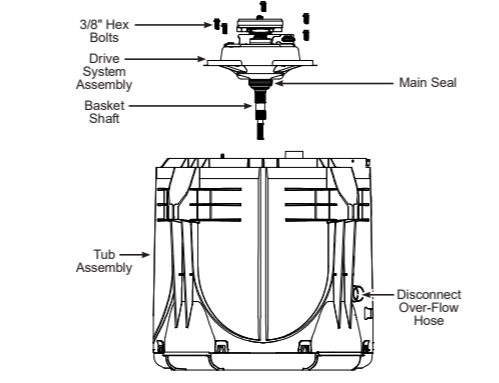
1. Complete step 1.
2. Remove belt by pushing down on belt near motor pulley while turning large pulley.
3. Disconnect wire harness to motor and speed sensor.
4. Remove two 1/2" hex motor bolts and pull out (the motor shield will be loose at this time).

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 drain 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.

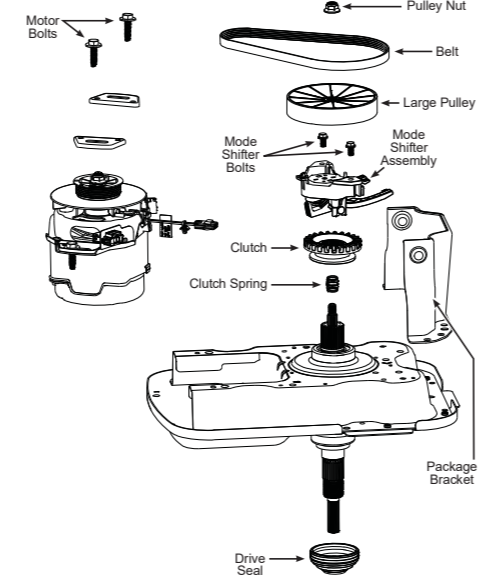
5 To Service Tub:

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. • Lock assembly and harness cover good at the time of service, replace the lid lock assembly. • Replace lid lock if this 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 minutes. 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. • 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.
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 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 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 to make sure house water supply valves are turned on. • 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 valve 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.
6	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 hoses/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 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.
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 lid switch continuity at J513 on the control. • Check harness and connectors that go to the lid switch. • If error still not clear, replace the lid switch.
10	Mode Shift Feedback Monitor	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 infusor 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 valve 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.	<ol style="list-style-type: none"> 1. Check for water in the bottom of the tub. If so drain and try cycle again. 2. 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.	<ol style="list-style-type: none"> 1. 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. 2. Check the drain pump for blockage. 3. Check Owner's Manual and Installation Instructions for proper standpipe height. 4. 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. • 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 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	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 the basket for excessive friction or for basket is not being rotated. • Check speed sensor for loose connection to the motor.
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"> • 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.
23	Critical Lid Lock Fault	1. Lid lock blocked. 2. Lid Lock failure. Will not lock or unlock or is locked while lid is opened.	<ol style="list-style-type: none"> 1. Check harness and connectors 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.
24	Lid Logic Fault	Lid switch failure. This fault is set if the system perceives the lid to be both OPEN and LOCKED for 5 consecutive seconds.	<ol style="list-style-type: none"> 1. Check harness and connectors 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 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 Fault	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 Fault: 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	Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights	Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights	Fault # displayed on 5 segment display	Fault # displayed in binary format using cycle status lights		
	● ON ○ OFF ● Blinking		● ON ○ OFF ● Blinking		● ON ○ OFF ● Blinking		● ON ○ OFF ● Blinking		
Deep Rinse	Wash	Rinse	Spin	Lid Locked	Deep Rinse	Wash	Rinse	Spin	Lid Locked
1	○	○	○	○	○	○	○	○	○
2	○	○	○	○	○	○	○	○	○
3	○	○	○	○	○	○	○	○	○
5	○	○	○	○	○	○	○	○	○
6	○	○	○	○	○	○	○	○	○
8	○	○	○	○	○	○	○	○	○
10	○	○	○	○	○	○	○	○	○
12	○	○	○	○	○	○	○	○	○
13	○	○	○	○	○	○	○	○	○
15	○	○	○	○	○	○	○	○	○
17	○	○	○	○	○	○	○	○	○
18	○	○	○	○	○	○	○	○	○
19	○	○	○	○	○	○	○	○	○
20	○	○	○	○	○	○	○	○	○
22	○	○	○	○	○	○	○	○	○
23	○	○	○	○	○	○	○	○	○
24	○	○	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○	○	○
26	○	○	○	○	○	○	○	○	○
27	○	○	○	○	○	○	○	○	○
28	○	○	○	○	○	○	○	○	○
29	○	○	○	○	○	○	○	○	○
30	○	○	○	○	○	○	○	○	○
31	○	○	○	○	○	○	○	○	○
32	○	○	○	○	○	○	○	○	○

KEY ● ON ○ OFF ● BLINKING

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