FL Washer:

Fault Code & Repair Action To ENTER: Press and hold the COLD and HOT buttons at the same time for about 10 seconds until “SE” flashes in the display, and then t01 will be the first test displayed. Press Heavy Soil and Extra Rinse to decrement and increase the number of test items to “t02”. Press Start to view the fault code.

Displaying Fault Code: E0. **Description:** No Error. **Trigger Condition:** Displayed in Service Mode only when there are no errors to display. **Action:** No Action Required

Displaying Fault Code: E1. **Description**: Drain Timeout/Slow Drain**. Trigger Condition**: In Drain Step, after 6 minutes still not reach empty level. **Action**: Fill the tub using Service Mode test t06 - Water Level Sensor Test to check pressure sensor frequency (Hz). Verify drain pump operation using Service Mode test t07 - Drain Pump Test. Check for proper drain hose installation and proper standpipe height. Check drain filter for blockage. While running Service Mode test t07 - Drain Pump Test, verify voltage (120VAC) to drain pump. Verify the resistance of the drain pump matches the Component Resistance table.

Displaying Fault Code: E201. **Description**: Door Lock Failure. **Trigger Condition**: When the control tries to lock door, this is no door lock signal**. Action**: Verify the door closes properly. Check door lock harness connectors both at power board and at door lock assembly. Check the door lock locking coil resistance matches the Component Resistance table. If the door lock locking coil resistance matches Component Resistance table, replace the door lock.

Displaying Fault Code: E202. **Description**: Door Unlock Failure. **Trigger Condition**: When the control tries to unlock door, this is no door unlock signal. **Action**: Check whether the door is closed. Verify the door closes properly. Check door lock harness connectors both at power board and at door lock assembly. Check the door lock unlocking coil resistance matches the Component Resistance table. If the door lock unlocking coil resistance matches Component Resistance table, replace the door lock.

Displaying Fault Code: E203 **Description**: Lock Position Switch Detection Fault. **Trigger Condition**: Door closing status is inconsistent with door lock status. **Action**:Check if the door was forced open while it is locked. Replace door lock or power board if this happens frequently.

Displaying Fault Code: E4 "H2O supply”. **Description**: Fill Timeout/Slow Fill. **Trigger Condition**: 1. In fill step, within 180 seconds, if frequency of water level does not exceed 0.1KHz. 2. In fill step, after 780 seconds, if water level still has not reached target level. **Action**: Verify the house water supply is on and the water hoses are connected properly. Check for proper voltage to the water valves. 120VAC. Check water valve coil resistance for approximately 1k ohms. Fill tub using Service Mode t06 - Water Level Sensor Test to check pressure sensor frequency (Hz). Check the pressure sensor hose for obstruction or kinks. If the above checks are correct, replace the water valves.

Displaying Fault Code: E6. **Description**: Stuck Button. **Trigger Condition**: If a button is depressed for 1 minute, it will be logged as a stuck button. **Action**: Check each button and its mechanical connection. Replace user interface board if necessary.

Displaying Fault Code: E8. **Description**: Flood Protect Drain Occurred. **Trigger Condition**: While in idle state, overflow level was detected and held for 5 seconds. **Action**: The machine will automatically start the drain pump to empty any water in the tub, and the alarm will automatically be cleared. Fill tub using

Service Mode test t06 - Water Level Sensor Test to check pressure sensor frequency (Hz) and pressure sensor hose. Check the pressure sensor hose for obstruction or kinks. Check water valve operation and for any leaking water valves.

Displaying Fault Code: FA. **Description**: Water Level Sensor Failure. **Trigger Condition**: Pressure sensor frequency out of range (20KHz~60KHz) for 5 seconds. **Action**: Check wiring harness and connectors at both power board and water level sensor. Use Service Mode test t06 - Water Level Sensor Test to verify correct pressure sensor operation. Check pressure tube for pinches or kinks, where it goes through the top cover grommet. Check the entire pressure sensor hose for obstruction, pinches, or kinks.

Displaying Fault Code: FC0. **Description**: UI board Communication Fault. **Trigger Condition**: Communication data (self-Tx self Rx) not detected within about 5 seconds. **Action**: There may be EMI interference around, clear the fault and run the cycle. If fault persists and reappears, replace the UI board.

Displaying Fault Code: FC1. **Description**: UI Board and Inverter Board Communication Fault. **Trigger Condition**: Communication data between inverter board and UI board not detected within about 30 seconds. **Action**: Check the integrity of the wiring between inverter board and UI board. Clear the fault and run the cycle. If fault persists and reappears, replace the inverter board.

Displaying Fault Code: FC2. **Description**: UI Board and Power Board Communication fault. **Trigger Condition**: Communication data between Power board and UI board not detected within about 30 seconds. **Action**: Check the integrity of the wiring between the power board and UI board. Clear the fault and run the cycle. If the fault persists and reappears, replace the power board.

Displaying Fault Code: UNB. **Description**: Severe Unbalance. **Trigger Condition**: 1. Severe unbalance. 2.During the final spin time, the motor speed did not exceed 300rpm. **Action**: Open the door and redistribute clothes evenly to balance, then restart the washer. If the fault persists, verify the washer is leveled properly. Check suspension components and counterweights are properly connected and secured. Verify motor operation using Service Mode Spin Test t09

Displaying Fault Code: F701. **Description**: Locked Rotor. **Trigger Condition**: Motor is being driven and average current is underneath 10mA for 3 seconds. **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Verify the drum belt is installed properly. Verify the drum is easy to rotate by hand. Verify motor windings resistance matches the Component Resistance table. If the motor resistance does not match the Component Resistance table, replace the motor. If the above components are good, replace the inverter board.

Displaying Fault Code: F702. **Description**: Lost Phase. **Trigger Condition**: One or more stator windings open circuit. 1. During the startup procedure, measured current in any sensor is less than defined value and the rotor has rotated at least 90°. 2. During spin state, measured current in any sensor is less than defined value for 10 seconds. **Action**: Check the integrity of the wiring between the inverter board and motor. Run Service Mode test t08 - Tumble Test, to verify motor operation. If the above components are good, replace the inverter board or motor.

Displaying Fault Code: F703. **Description**: Over trip/Over Current. **Trigger Condition**: Motor current over the set limit (20A). **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Clear the fault and run the cycle. Verify the drum is easy to rotate by hand. Verify motor windings resistance

matches the Component Resistance table. If the motor resistance does not match the Component Resistance table, replace motor. If the fault persists and reappears, replace the inverter board.

Displaying Fault Code: F704. **Description**: Motor Current Circuit Fault. **Trigger Condition**: Internal fault on controller's current sensing circuitry. Failure detectable when the motor is in idle state for at least 6 seconds. **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Clear the fault and run the cycle. If fault persists and reappears, replace the inverter board.

Displaying Fault Code: F706. **Description**: Motor Under Voltage. **Trigger Condition**: Motor supply voltage too low (<160VACRMS). **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Verify correct AC voltage output (102V to 132V AC) from the power board and verify correct input voltage at the Inverter. If no AC voltage output from the power board to the inverter, replace the power board. If there is no AC voltage input to inverter board, check wiring harness and connectors for damage. If the voltage checks good but the motor still does not run, replace inverter board.

Displaying Fault Code: F707. **Description**: Motor Overheated. **Trigger Condition**: Stator winding over temperature (> 338°F) for 5 seconds. **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Verify the drum is easy to rotate by hand. Check whether the motor and belt are jammed. Verify motor windings resistance matches the Component Resistance table. If the motor resistance does not match the Component Resistance table, replace motor. Verify correct AC voltage output (102V to 132V AC) from the power board. Verify the correct input voltage at the Inverter. If no AC voltage output from the power board to the inverter, replace the power board. If there is no AC voltage input to inverter board, check wiring harness and connectors for damage. If the voltage checks good but the motor still does not run, replace inverter board.

Displaying Fault Code: F708. **Description**: IPM Overheated. **Trigger Condition**: IPM over temperature (> 221°F) for 5 seconds. **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Verify the drum is easy to rotate by hand. Check whether the motor and belt are jammed. If the above components check good, replace the inverter board.

Displaying Fault Code: F709. **Description**: Drive System Self Check Fault. **Trigger Condition**: Inverter board failed self-check. One fault over the checking process (ROM, RAM, CPU Registers, Stack, Clock, AD) triggers the fault. Self-checking is continuously performed by the Inverter board. **Action**: Run Service Mode test t08 - Tumble Test, to verify motor operation. Verify the drum is easy to rotate by hand. Check whether the motor and belt are jammed. If the above components are good, replace the inverter board.

Displaying Fault Code: FU. **Description**: Power Board Over Voltage. **Trigger Condition**: When connected to power, Power board senses that the voltage is higher than 160V. **Action**: Check if the voltage is higher than 160V. If voltage is normal, replace the power board.

Displaying Fault Code: FP. **Description**: Power Board Check Fault. **Trigger Condition**: Power board failed self-check. One fault over the checking process (ROM, RAM, CPU Registers, Stack, Clock, AD) triggers the fault. Self-checking is continuously performed by the Power board. **Action**: Clear the fault and run the cycle. If a fault persists and reappears, replace the power board.

In FL Washer for any other fault code return fault code doesn’t exist or enter a valid fault code.