

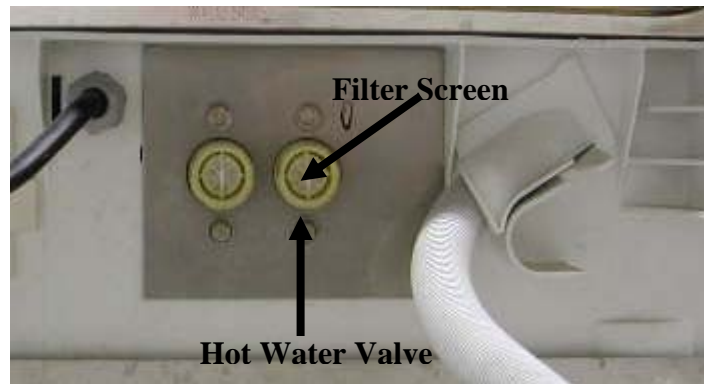
## L110W Solid Door Fault Codes

Fault #	Problem	Description
E1	Water heating failure	Water temperature < set point after timeout during "Circulation and heating" phase. See E1 explanation.
E2	Filling failure	Timeout on filling up the chamber. See E2 explanation.
E3	Chamber temperature reading failure	Chamber temperature reading outside range
E4	Water evacuation failure	Timeout on water evacuation from chamber (60 seconds). See E4 explanation.
E6	Serial transmission failure	Control modules not communicating. Check wiring to controllers. Replace Master Controller & Slave Controller if needed.
E8	Water inlet temperature reading failure	Water inlet temperature reading outside range. Check water inlet temperature sensor (3.6KΩ).
E9	Program timeout	Timeout on finalizing the cycle. Check wash & drying time. Call SciCan Technical Support
E0	Sidebag filling failure- full pressure switch blocked into ON position	Timeout on filling the heat exchanger (5 minutes). Check pressure switch on Emitter Housing.
ED	Dosing system failure	Timeout on dosing. See ED explanation
EF	Flow error	Detergent flow switch defective. See EF explanation.
Chemical Light	On steady cannot start cycle	Check long green plug on Slave Controller.

## Troubleshooting E1 Error Code

**Error Code 1 indicates water temperature is below a set point after timeout during heating phase of the cycle.**

1. Remove hot water inlet hose and check for hot water to Hydrim.
2. Check inlet filter screen is clean on hot water valve.

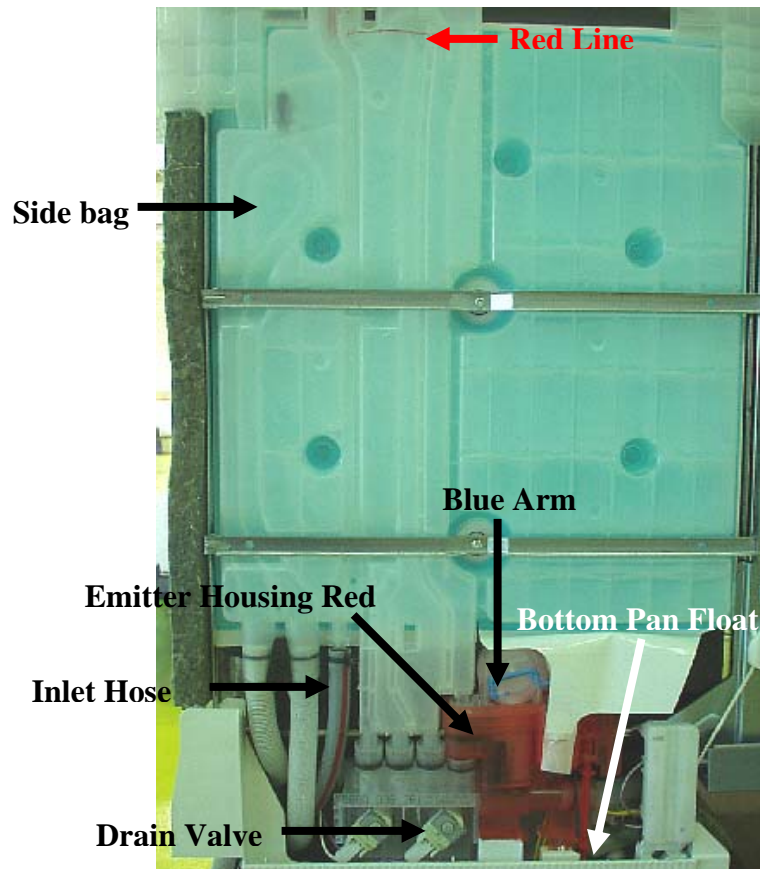


3. Turn OFF the cold water valve and start a P1 cycle. If the unit does not fill with water E2 appears, the hot water valve is defective.
4. Start a P1 cycle, when you hear the wash arms start turning stop the cycle and check the water temperature in the chamber with a thermometer. Suggested hot water temperature to the unit is 60°C/140°F. If water is cold, cycle time will be extended until wash temperature reaches 50°C/122°F. The heater will increase the water temperature approximately 2°C every minute. If wash temperature is not reached in 25 minutes the cycle will timeout and E1 will appear.

## Troubleshooting E2 Error Code

**Error Code E2 indicates a timeout before the chamber is filled with water.**

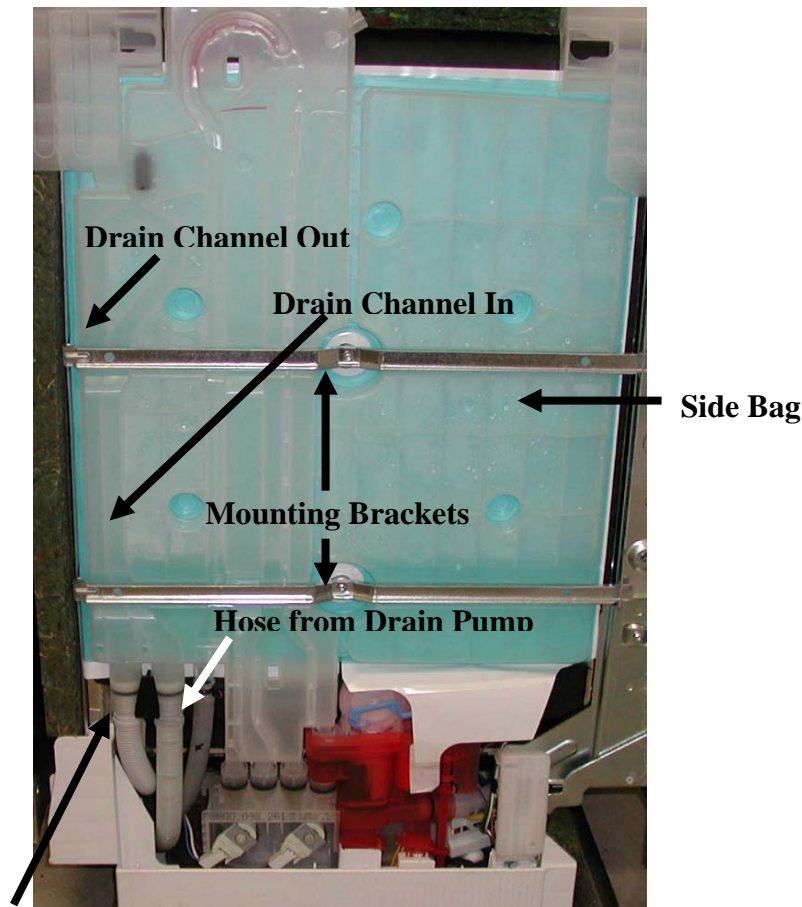
1. Remove left and right side covers from unit.
2. Check flow switch on right side of unit. If cleaning solution is leaking around wires of flow switch disconnect flow switch wires and start a P0 cycle. If unit fills with water and fails with an ED error code replace flow switch (#01-111568S).
3. Check for water in the bottom pan by the float. If water is in the bottom pan siphon water out of pan and start a P0 cycle. Sidebag should fill with cold water through water inlet hose. If sidebag does not fill check cold-water inlet valve. If sidebag fills water will rise to red line at top of sidebag then flow over and down channel to emitter housing. When the emitter housing is full the pressure switch will activate and the blue arm will be pushed out activating the electrical switch. If the blue arm does not activate the electrical switch replace the emitter housing (#13447.01 Red or #13447.00 Clear). When the electrical switch activates the drain solenoid should open and the sidebag should empty into the chamber. The blue arm should go back in once the drain valve opens. If the electrical switch activates check for line voltage (208-240VAC) to the drain solenoid (#13614.00). If the drain solenoid needs to be replaced and the sidebag is full of water loosen the 2 screws holding the drain solenoid, **do not remove them**, and pull out on the drain solenoid until the water in the sidebag flows by the solenoid and into the chamber.



## Troubleshooting E4 Error Code

**Error Code 4 indicates failure of water evacuation from chamber before 60-second timeout.**

1. If the chamber is empty remove the filters from inside the chamber and pour some water into the base of the chamber. Turn the unit ON and select P0. The drain pump should turn ON and evacuate the water from the chamber. If you do not hear the drain pump running call SciCan for technical support. If the drain pump runs but the water does not evacuate proceed to step 2.
2. Remove the left side panel from the unit.
3. Check for debris in the sidebag (#13462.00) drain channels between the two drain tube connections. Remove both metal mounting brackets to check channel behind brackets. If channel is clean proceed to step 4.
4. Remove hose from drain pump where it connects to the side bag. Place hose in a bucket. Remove the filters from inside the chamber and pour some water into the base of the chamber. Turn the unit ON and select P0. The water in the chamber should pump into the bucket. If water does not evacuate from chamber call SciCan for technical support.



**Drain Hose to back of Unit**

## Hydrim L110W Troubleshooting ED & EF Error Codes

### Error code ED indicates a dosing system failure.

1. Check cleaning solution box for solution and check for a kinked tubing.
2. Remove the right side cover.
3. Disconnect tubing connected to suction side of dosing pump. Verify that cleaning solution is flowing to the dosing pump. Flush lines or flow switch as needed.
4. Connect a voltmeter to the red & blue wires connected to the dosing pump. Set the meter to read line voltage (208-240VAC). Start a device test cycle, with the unit OFF hold in P2 & P3 and turn the power switch ON and release all buttons. The display should read P5 & 8. The unit will fill the chamber with water then the dosing pump should run for 20 seconds. While the dosing pump is running the meter will read line voltage. If the meter reads line voltage and the dosing pump does not turn, replace the dosing pump (#13634.00). **Note: Dosing Pump motor should read approximately 60 ohms resistance.** If the meter does not read line voltage replace the Slave Controller (#13475.04) first then the Master Controller (#13475.03) if needed.
5. If the Dosing Pump runs and ED still appears follow the instructions below for error code EF.
6. If the Flow Switch tests good and ED still appears with the Dosing Pump running, replace the Dosing Pump (#13634.00) low output.

### Error code EF indicates a shorted Flow Switch.

1. If the Flow Switch is white and mounted horizontally, replace with new black flow switch and mount new switch vertically.
2. Disconnect tubing connected to suction side of dosing pump. Verify that cleaning solution is flowing to the dosing pump. Flush lines or flow switch as needed.
3. Disconnect the wires from the flow switch and connect an ohmmeter to the wires. Start a device test cycle, with the unit OFF hold in P2 & P3 and turn the power switch ON and release all buttons. The display should read P5 & 8. The unit will fill the chamber with water then the dosing pump should run for 20 seconds. While the dosing pump is running the meter should read less than 1 ohm (continuity). If reading is bad replace flow switch (#01-111474S).

