

## **Entering Diagnostic Mode – Smart Drive Series 8 Machines.**

There are several settings and tests that can be run in diagnostic mode on these machines.

The main difference between the diagnostic mode on these machines and their predecessors is the fact that the switch testing can be done within the diagnostic mode without having to toggle between the two modes using the advance button.

To begin diagnostic mode, turn the power on at the power point, and off at the console. Hold the 'Wash Temp Down' button then press the 'Power' button. The machine will beep twice.

Use the Spin speed controls to select different levels of information. The spin speed LED's will give a binary code which relates to the level of diagnostics being performed. To obtain a detailed fault code read-out, use the 'Spin Speed Up' button until the Hold and Slow leds are both on. (binary code 3) To conduct a switch test select Binary Code 4. (med LED on)

### **Conducting Switch tests. (level 4)**

Select level 4 as described above. (medium spin speed LED on)

#### **Checking the size setting.**

When in level 4 the two rinse LED's and the spin LED display the size setting for the machine. Check that these correspond to the actual size of the machine.

First Rinse = 5Kg or 5.5 KG

Final Rinse = 6.5Kg

Spin = 7.5Kg

If the size setting is not correct, refer to the 'size switch setting' bulletin.

#### **Checking the lid switch.**

When the lid is open the 12 Minute LED will be on.

#### **Checking the Out Of Balance Switch.**

Activating the Out of Balance switch will cause the 6 Minute LED to light up. To do this move the inner bowl toward the back right hand corner of the machine. It may take a second or so for the LED to activate.

### **Other tests or selections that you can make. (all levels)**

These can all be done from anywhere in diagnostic mode, irrespective of the level setting.

#### **Checking the Pump.**

Pressing the Regular Cycle button will turn the drain pump on or off. The 'Regular' LED will indicate whether or not the pump is on. This is the procedure to use to drain the machine if it has not drained fully.

#### **Checking Water Valves.**

Press the wash temperature buttons to activate the hot and cold water valves. (up for hot, down for cold) The corresponding wash temp LED's will be illuminated when the valves are activated.

#### **The re-start feature.**

The re-start feature is a feature which detects when faults have occurred in the wash process and attempts to re-start the machine. You will need to turn this feature off for ease of servicing, and then re-activate it once the repairs have been made.

To turn the feature on or off use the 'Water Level Down' button. The low water level LED will indicate the status of the Re-Start feature. You can also identify whether or not the Re-Start Feature is on or off when you first power up the machine. If the 5 green wash progress indicators are flashing then the Re-Start feature is turned off. If the indicators are ON then the Re-Start feature is ON. The re-start feature is set to 'ON' from the factory.

#### **The Re-cycle Feature.**

If the Re-Cycle Feature is on the machine will continually repeat the wash cycle until the re-cycle feature is turned off again. This can be useful if extended testing is required.

To Turn the feature on or off, press the 'Water Level Up' button. The medium Water Level LED will indicate the status of the feature. You can also identify whether or not the Re-Start Feature is on or off when you first power up the machine. If the 3orange/red rinse and spin indicators are flashing then the Re-CyCle feature is turned off. If the indicators are ON then the Re-Cycle feature is OFF.

The Re-start and Re-Cycle features will be reset to factory settings if the machine is un-plugged or switched off at the wall.

#### **The Hot Bowl Flag.**

If the machine has been filled with hot water and not done a cool rinse, the electronic will restrict the machine to 700 RPM instead of its usual spin speed of 1000RPM. If the Spin Speed is restricted, the Water Saver LED will be ON. To reset the spin speed to 1000, press the 'Wash Option' button.