

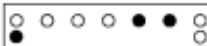









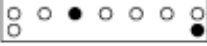


<p><b>During normal cycle execution</b></p>  <p><b>During test program</b></p>  	<p><b>Remaining Time</b></p> <p><b>During test program</b></p> <p><b>F03</b></p>	<p><b>Long Drain</b></p> <p>If the drain time exceeds the drain timeout, the LED "clean filter" is turned ON. The timeout is: 4 minutes drains -&gt; 4 minutes impulse draining (10sec.ON /10sec. OFF) -&gt; 4 minutes drain.</p> <p>The control is in Pause Mode. Press start button. If the water can be drained out, the cycle will continue.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check the drain hose and make sure it is not plugged or kinked.</li> <li>• Check the drain pump filter for foreign objects.</li> <li>• Check the electrical connections at the pump and make sure the pump is running.</li> <li>• Check the electrical resistance of the drain pump.</li> <li>• The failure can also be generated by too much foam in wash phase. Read also failure description F18.</li> <li>• Check CCU operation.</li> </ul>
 	<p><b>F04</b></p>	<p><b>Too Long Heat Time</b></p> <p>If the water temperature is not increasing over 35°C during 50 minutes of the first heating step in the cycle the CCU will display this Error.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check the electrical resistance of the heating element.</li> <li>• Check Wire Harness connections to the heating element, NTC and CCU.</li> <li>• Check the electrical resistance of the NTC (failure can also occur, when NTC resistance is not changing with temperature).</li> <li>• Check CCU operation</li> </ul>
 	<p><b>F05</b></p>	<p><b>Water Temperature Sensor Error</b></p> <p>If during the water heating step in the wash cycle, the water temperature sensor (NTC) value is out of range, the F05 error code will be displayed.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check the NTC resistance.</li> <li>• Check connections to the NTC and CCU.</li> </ul> <p>NTC short circuit (NTC or wiring to NTC); appliance is dead at switch on - read failure code from eeprom: class B failure (F60 - F63)</p>
 	<p><b>F06</b></p>	<p><b>Drive Motor Tachometer Error</b></p> <p>The control is unable to properly detect motor speed (several times) and the machine will shut down.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check wire harness connections between the motor and CCU.</li> <li>• Check the resistance of the tachometer circuit on the motor.</li> <li>• Check resistances of the motor windings.</li> <li>• Check tension of belt and fixation of pulley.</li> </ul>
 	<p><b>F07</b></p>	<p><b>Motor Control Triac Error</b></p> <p>The main control has detected a short circuit in the motor control triac.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check CCU by running Test Program: if failure occurs with universal motor: exchange CCU if failure occurs with CIM, BPM or Direct Drive: exchange motor control unit</li> </ul>
 	<p><b>F08</b></p>	<p><b>Heater Circuit Error open circuit</b></p> <p>The main control has detected a heater circuit failure. These failure modes are checked before the cycle starts and after the spinning steps.</p> <p><b>Potential Causes</b></p> <ul style="list-style-type: none"> <li>• Check the resistance of the heater connectors to the ground.</li> <li>• Check the resistance of the heater.</li> <li>• Check the wiring connectors to the heater and CCU.</li> <li>• Check the CCU.</li> </ul>