



VE Global Solutions LLC  
Colibri LX 8 / 12 Technical Failures  
Trouble Shooting Guild 1.6 Software

Failures	Solution	Possible Parts Needed
<p><b><u>Volume Counter Error.</u></b> Water within the machine is not flowing or not being metered.</p>	<ol style="list-style-type: none"> <li>1. Water pump not pumping water,</li> <li>2. Volume counter not counting cc's of water</li> <li>3. The grind of the coffee is too fine making a very slow brew, (also check the DECAF)</li> <li>4. Valve limed in boiler restricting water flow.</li> <li>5. CPU board not reading pulses from volume counter</li> </ol>	<p>Complete water pump assy # VE9796_ Volume counter # VE9981 Boiler rebuild kit # VE9753 600cc # VE9854 300cc Control board CPU w/o E-Prom #ZAN0V3319_</p>
<p><b><u>Air break Error.</u></b> <b><u>Water failure.</u></b> Water did not fill the Air Break (Clear plastic water tank) within its given time limit in the software (10 seconds).</p>	<ol style="list-style-type: none"> <li>1. Water inlet valve failed</li> <li>2. Anti flooding device has water in it.</li> <li>3. No power to the inlet valve.</li> <li>4. Low water pressure to the unit.</li> <li>5. Water supply is turn off.</li> <li>6. Water leaving the air break with out making a selection.</li> </ol>	<p>Water inlet valve #VE9988 Control board CPU w/o E-Prom #ZAN0V3319_ Air break micro switch # ZAN0V1141 Accumulator pressure tank 20/25 PSI # VE2494A</p>
<p><b><u>Waste container full.</u></b> When tray coffee is turn on in the program. Under machine configuration. It will count the coffee pucks to let you no when to empty the grounds bucket.</p>	<ol style="list-style-type: none"> <li>1. Unit powered down with grounds tray removed.</li> <li>2. Bad connection to grounds tray switch or switch stuck in.</li> <li>3. Bad switch.</li> <li>4. Switch used in base cabinet for liquid waste and EQ cabinet not enabled in program.</li> </ol>	<p>Grounds tray Switch # ZAN0V2378</p>
<p><b><u>Boiler Temp</u></b> The machine will lock out after 10 minutes of heating from the machine start, or from the last selection, the boiler fails to reach the operating temperature.</p>	<ol style="list-style-type: none"> <li>1. Failure of the single pole thermostat (high limit).</li> <li>2. Failure of the heating element.</li> <li>3. Failure of the triac or relay on the CPU board.</li> <li>4. Failure of the temperature probe.</li> </ol>	<p>Boiler rebuild kit # VE9753 600cc # VE9854 300cc Heating Elements # ZAN0V0453 -300cc # ZAN0V0685 -600cc Temperature probe # ZAN094872 Control board CPU w/o E-Prom #ZAN0V3319_ Single pole thermostat # ZAN0V1385 -600cc # ZAN0V3318 -300cc</p>
<p><b><u>Selection Failed</u></b> <b><u>Only Decaf Avail.</u></b> <b><u>Coffee Dose Trip</u></b> Error displayed when doser not filled with coffee and grinder does not run.</p>	<ol style="list-style-type: none"> <li>1. Bad connections to the doser micro switch</li> <li>2. Doser micro switch failed.</li> <li>3. Grinder failed</li> <li>4. CPU board relay failed.</li> </ol>	<p>Doser Micro switch # ZAN0V2131 Grinder assembly # ZAN0V0443 Control board CPU w/o E-Prom #ZAN0V3319_</p>
<p><b><u>No Coffee</u></b> <b><u>Only Decaf Avail.</u></b> Error displayed when grinder runs but does not fill doser with coffee.</p>	<ol style="list-style-type: none"> <li>1. Green slide for the coffee bean hopper is pushed in. (closed).</li> <li>2. Shaft wheel in grinder has broken.</li> <li>3. Out of coffee beans</li> </ol>	<p>Complete Grinder # ZAN0V0443 Grinder rebuild kit # VE9912 Shaft wheel # ZAN099470</p>
<p><b><u>Coffee Unit</u></b> <b><u>Coffee Sel. Out</u></b> This error is displayed when the brewer does not make contact with the brewer micro switch.</p>	<ol style="list-style-type: none"> <li>1. Brewer installed in the unit wrong.</li> <li>2. Brewer jammed with coffee.</li> <li>3. Brewer motor has failed.</li> <li>4. Bad wire connection to brewer motor.</li> <li>5. Brewer micro switch failed.</li> <li>6. CPU board failed</li> </ol>	<p>Brewer piston o-ring 12 gr # ZAN251757 8 gr # ZAN251089 Brewer micro switch # ZAN096355 Brewer motor # ZAN0V0458 Complete brewer assy 12 gr # ZAN251754 8 gr # ZAN253264 Control board CPU w/o E-Prom #ZAN0V3319</p>

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<p><b><u>Ram Data Initialize</u></b> This error is displayed when the data contained in the E-Prom is lost and needs restored, and losing the programmed settings, and needs to restore the default settings.</p>	<p><b>1.</b> Enter the programming mode and REINITIALISE the unit. <b>Machine type</b> = C set for espresso <b>Country</b> = USA will only give 8 oz layouts US+ will give 8oz 10oz 12oz layouts <b>Layout</b> = set up layouts 1 2 3 = 8oz = set up layouts 4 5 6 7 8 = 12oz = set up layouts 9 10 11 = 10oz <b>Tank</b> =( OFF always) set for automatic units</p>	<p>Control board CPU w/o E-Prom #ZAN0V3319 E-prom # VE9846M</p>
<p><b><u>Changer Failure (MDB Only)</u></b> <b><u>Bill validator Failure(MDB Only)</u></b> <b><u>Cashless Failure(MDB Only)</u></b> Coin mach and bill validator is not communicate or is not working</p>	<p><b>1.</b> Enter the programming mode check payment system is set for MDB. <b>2.</b> Check MA fuses on transformer T2amp/T400MA. <b>3.</b> Check connections on MDB card (board). <b>4.</b> Replace MDB harness <b>5.</b> Test transformer</p>	<p>MDB card (board) # ZAN0V2750 MDB harness # ZAN0V2651 Transformer # ZAN252715 Complete MDB kit #ZANS7204 T2amp fuse # ZAN097097 T400 MA fuse # ZAN0V0457</p>
<h3>Clearing out Errors on the Colibri LX</h3>		
<p>To clear out the error on the colibri lx open the front door and insert the yellow service key into the interlock switch at the top of the unit, this will power up the unit with the door open, when the display reads <u>out of order</u> push the program button once, (located on the inside of the front door the button on the right) this will put you in the maintenance mode push the program button a second time the LCD will read present failures now push the bottom right selection button # 8 LCD will read "WORKING" for about a second then <u>present failures</u> will reappear. Now remove the yellow service key to power down the unit and the next time the unit is powered up the error will clear.</p>		