

**TROUBLE SHOOTING – BC 502 ASPHALT DISTRIBUTORS  
Burners/Diesel**

<b>Problem</b>	<b>Cause or Symptom</b>	<b>Remedy</b>
1. Burner will not turn on	<ul style="list-style-type: none"> <li>A. Has the switch failed?</li> <li>B. Burner switch was left on?</li> <li>C. Is the Master switch on?</li> <li>D. FPM displayed on screen?</li>   <li>E. Temp. setting is too low.</li> <li>F. Low or no voltage-12V min.</li> <li>G. Elec. motor is locked up</li> </ul>	<ul style="list-style-type: none"> <li>A. Replace the switch</li> <li>B. Cycle switch on and off</li> <li>C. Turn off Master switch</li> <li>D. Truck must be parked Correct false FPM signal</li> <li>E. Raise temp. setting</li> <li>F. Correct voltage problem</li> <li>G. Replace the motor</li> </ul>
2. Blower turns but burner does not ignite	<ul style="list-style-type: none"> <li>A. No smoke from stack</li>   <li>B. No oil flow at nozzle</li>   <li>C. System appears to be air bound.</li>   <li>D. Blows white smoke</li> </ul>	<ul style="list-style-type: none"> <li>A. Check fuel level Check coupling in burner. Replace if necessary</li> <li>B. Clean clogged screen the nozzle or replace the nozzle.</li> <li>C. Check for and insert By-pass plug in return port on fuel pump.</li> <li>D. Check for proper voltage at coil. Replace coil if necessary. Check Conditions of electrodes and gap Settings.</li> </ul>
3. Burner ignites but exhaust is black	<ul style="list-style-type: none"> <li>A. Smoke from stack is black</li>     <li>B. Flame seems to be backing up Into the burner.</li> </ul>	<ul style="list-style-type: none"> <li>A. Remove burner and check for soot build up. Remove any build up that is found. Check the condition of the liner. Replace if warped or collapsing.</li> <li>B. Make sure stack lid is open. Follow procedure 'A' Check fuel pressure. Should be 150 psi.</li> </ul>
4. Dual burner failure	Second burner will not operate	<ul style="list-style-type: none"> <li>A. Lower burner must be operating In order for the upper burner to Operate.</li> <li>B. If upper burner still fails to Operate follow the procedure for Checking out a single burner.</li> </ul>

If the burner still fails to operate correctly contact the Bear Cat Service Department.