

TROUBLE SHOOTING-501 ASPHALT DISTRIBUTORS

Burners/diesel

Problem	Possible Cause /Symptom	Remedy
1.Does not start	<ul style="list-style-type: none"> A. Is switch turned on? B. Is the truck brake set? C. Motor is locked up. 	<ul style="list-style-type: none"> A. Turn switch on. B. Pull the yellow button. Check pressure switch in brake safety valve. Replace if necessary. C. Replace motor.
2. Blower turns but burner does not ignite.	<ul style="list-style-type: none"> A. No smoke from stacks B. No oil flow at nozzle. C. System appears to be air bound. D. Blows white smoke. 	<ul style="list-style-type: none"> A. Check fuel level Check coupling in burner, replace if needed. B. Clean clogged screen in nozzle or replace nozzle. C. Check for and insert by-pass plug in return port on fuel pump. D. Check for proper voltage at coil. Replace. coil if necessary. Check condition of electrodes and gap settings.
3. Burner ignites but exhaust is black.	<ul style="list-style-type: none"> A. Smoke from stack is black. B. Flame seems to be backing up into burner. 	<ul style="list-style-type: none"> A. Remove burner and check for soot build up. Remove any build up that is found. B. Make sure stack lid is open. C. Follow procedure "A" D. Check fuel pressure. Should be 150 psi.
4. Dual burner failure	Second burner will not operate.	<ul style="list-style-type: none"> A. Lower burner must be operating in order for the upper burner to operate. B. If upper burner still fails to operate follow the procedure for checking out a single burner.

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