

| SYMPTOM | CAUSE | CORRECTION |
|---|------------------------------------|---|
| <p>Power light not on</p> | <p>Power at outlet</p> | <p>Verify proper voltage and polarity at outlet</p> |
| | <p>Fuse blown on circuit board</p> | <p>Replace fuse</p> |
| | <p>Faulty wiring</p> | <p>Inspect / Repair stove wiring</p> |
| | <p>Faulty circuit board</p> | <p>Replace circuit board</p> |
| <p>Coal will not light after many attempts</p> | <p>Fuel problem</p> | <p>Verify quality of coal</p> |
| | <p>Dirty stove / Venting</p> | <p>Clean stove and venting</p> |
| | <p>Draft problem</p> | <p>Install draft meter and verify draft readings</p> |
| | <p>Faulty draft motor</p> | <p>Verify draft motor is operating properly</p> |
| | <p>Faulty combustion blower</p> | <p>Verify combustion blower is operating properly</p> |
| <p>Stove not feeding properly</p> | <p>Low draft</p> | <p>Install draft meter and verify draft readings. When testing cold, draft readings should be .40" - .50" W.C. on high and .05" - .08" W.C. on low.</p> |
| | <p>Fuel obstruction</p> | <p>Verify there are no obstructions in the hopper and feeder system. The stove is designed to burn anthracite rice coal.</p> |
| | <p>Initial fire too small</p> | <p>Circuit board will not allow feed motor to run until ESP probe in the exhaust senses 180 degrees.</p> |
| | <p>Pusher block</p> | <p>Verify pusher block assembly is not sticking rust or build up of fines etc.</p> |
| | <p>Pusher assembly</p> | <p>Verify forks on pusher assembly are not spread apart or bent. Forks should be 1 7/8" - 2" apart. Verify cam bearing in pusher assembly correctly. Adjust if needed.</p> |
| | <p>Faulty feed motor</p> | <p>Verify feed motor runs when feed motor light on control is lit. Check for voltage to feed motor when feed motor light is on. If voltage is present and motor will not run, replace feed motor.</p> |
| | <p>Faulty TCP probe</p> | <p>The TCP probe is located on the left side of the feeder. If the TCP probe temperature rises, the control will increase the feed rate to reduce the feeder temperature. This can cause an over feed symptom. Remove the TCP probe from the feeder to cool the probe. The feed rate should return to normal. If the feed rate returns to normal then increase the feed rate. If the feed rate does not return to normal when the TCP probe is cooled, replace the TCP probe.</p> |
| | <p>Faulty ESP probe</p> | <p>Replace the ESP probe</p> |
| <p>Faulty circuit board</p> | <p>Replace the circuit board</p> | |

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| Stove status light blinking twice *See owners manual for explanation of two blink status* | <p>Low draft</p> <p>Ash door / Viewing door</p> <p>Dirty stove / Venting</p> <p>Tubing to pressure switch</p> <p>Flue termination</p> <p>Faulty pressure switch</p> <p>Faulty draft motor</p> <p>Faulty circuit board</p> | <p>Install draft meter and verify draft readings</p> <p>Opening either door for extended periods without turning the control to the ash out position will cause a two blink status. Verify doors are closing properly and gaskets are in good condition.</p> <p>Clean stove and venting. Verify draft motor intake cover is properly installed. Verify clean out cover is properly closed. Verify grate inserts are properly installed and sealed with furnace cement.</p> <p>Verify transparent tubing from the firebox to the pressure switch is not clogged, cracked or loose. Verify filter in tubing line is not clogged. Replace as needed.</p> <p>Verify flue termination is in accordance with the owners manual.</p> <p>Replace pressure switch</p> <p>Verify the draft motor is running. Verify voltage to the draft motor when the draft motor light on the control is lit. Replace draft motor if needed.</p> <p>Replace circuit board</p> |