

MAGNUM STOKER TROUBLE SHOOTING GUIDE

| SYMPTOM | CAUSE | CORRECTION |
|---|--------------------------|---|
| Power light not on | Power at the outlet | Verify proper voltage and polarity at the outlet. |
| | Fuse blown | Replace fuse / Check for short circuit |
| | Faulty wiring | Inspect / Repair stove wiring |
| Coal will not light after several attempts | Fuel Problem | Verify coal is dry and of good quality. |
| | Dirty stove / Chimney | Clean stove and chimney |
| | Draft problem | Install a draft meter and verify draft readings. Balance the draft in the stove with the draft in the chimney. See instructions in the owners manual |
| | Faulty combustion blower | Verify combustion blower is operating properly. |
| Stove not feeding properly | Fuel obstruction | Verify nothing is obstructing the flow of coal from the hopper to the feeder. The stove is designed to burn anthracite rice coal. |
| | Pusher block | Verify the pusher block is not sticking due to rust or a build up of fines. Check feed adjuster setting. |
| | Pusher assembly | Verify forks on the pusher assembly are not spread apart or bent. Forks should be 1 7/8" - 2" apart. Check that cam bearing is traveling in the pusher assembly correctly. Adjust if needed. |
| | Faulty wiring | Inspect / Repair wiring. Verify the motors are plugged into the correct outlets on the timer box. |
| | Faulty feed motor | Verify feed motor on/off switch is in the on position. Check for voltage to the feed motor when the feed motor light on the control box is lit. If voltage is present and the motor will not run, replace the feed motor. |
| Stove goes out during maintenance cycle | Timer box settings | Verify timer box settings. Recommended settings are "on time" = 4 min. "off time" = 12 min. "extend time" = 2 min. See owners manual for detailed description of timer box settings. |
| One or more motors do not run | Power at the outlet | Verify proper voltage and polarity at the outlet. |
| | Faulty wiring | Verify motors are plugged into the correct outlets on the timer box. |
| | Faulty motor(s) | Verify voltage is present to the motor when the corresponding light is lit on the timer box. If voltage is present and the motor will not run, replace the motor. |
| | Faulty timer box | Inspect wiring in the timer box. Repair wiring. Replace timer box if needed. |
| Carbon monoxide detector alarming | Draft problem | Install a draft meter and balance the draft between the chimney and the stove. See owners manual for instructions. |
| | Dirty stove / Chimney | Clean stove and chimney |