

## **Gas Burner Maintenance**

### **I am having trouble with my gas burner starting up. What are some easy trouble shooting tips?**

There are 3 things you need when you have a gas fired heating system: You need gas flow, airflow and a spark to ignite them.

Make sure your gas is turned on at the source

Make sure your solenoid is allowing for the gas to come from your source to the burner.

Make sure your blower is operating and delivering air

Make sure you have 110v power going to your gas train's transformer

Make sure you have power coming from your transformer and sparking the igniter

Check the igniter for signs of wear or burn marks. Make sure there are no cracks in the porcelain.

To adjust the igniter the operator must loosen the jamb nut and screw the base into the burner; this does not have to be very tight. Slide the igniter in until it stops and then back it out 3/8" and tighten the lock nut.

If you have gas being delivered, air blowing to the train, power sparking the igniter and a flame you can see in the train's site glass, but your system does not recognize the flame by opening the main valve within 15 seconds, then the flame rod is either not set correctly or not being detected and needs to be replaced.

To set the flame rod it is best to use an instrument that measures millivolts. While the burner is running and the compression nut is loose, then slide the flame rod in or out until the highest reading is obtained, this should be around 10. When that highest reading is obtained, then tighten the lock nut.

If these tips do not solve your problem, then call Crown and we will send a trained service technician to your facility to resolve the issue for you.

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Because Crown is here to help I hope this helps get you up and running.  
I do however realize not every problem can be solved online.  
Please don't hesitate to call or email me for further assistance.  
Crown is here to help.

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