

Auger Testing

Auger Jam - make sure that pellets are not jammed in the auger tube. This will stop the auger from turning.

Vacuum Hose - make sure the vacuum hose does not have any cracks in it & it is connected to the vacuum switch & fitting on the combustion assembly. If the vacuum hose is cracked or has come off the vacuum switch or fitting the auger will not work.

Vacuum Switch - if this is not working the auger will not drop pellets. You can remove the 2 wires off the vacuum switch & put a jumper wire between them (bypass the vacuum switch).

Wiring & Connections – make sure all the wiring is not cracked & that the electrical connectors are making contact. Over time the wiring and connectors can become brittle.

Auger Motor - make sure that auger motor is working. Follow the lead wires off the back of the auger motor & unplug them from the control board. Plug these wires into an extension cord or other source to test it independently from the sensors, vacuum switch or control board. If it works then I would continue with testing the other components.

90° or 110° Temp Sensor (normally open) - if this is not working the auger will not drop pellets. You can remove the 2 wires off the sensor & put a jumper wire between them (bypass the sensor).

250° Temp Sensor (normally closed) - if this is not working the auger will not drop pellets. You can remove the 2 wires off the sensor & put a jumper wire between them (bypass the sensor). If this is the problem - **DO NOT OPERATE THE STOVE** with this sensor bypassed it is only for testing purposes and replace the sensor before operating. This is the sensor that will shut the auger down should the stove overheat. If the 250° sensor is working then you need to find out why it is has tripped. The most likely cause of this would be that the convection fan is not working or is turning too slow and not moving enough air through the heat exchange tubes to keep the stove cool. You will need to replace the convection fan assembly.

Timer Switch (on manual light) – you can test the voltage output or bypass the switch. If the stove feeds continuously or there is no out voltage the switch needs replacing.

Control Board - if all the above tests okay then you will need to replace the control board.

Note: Test one component at a time.