

Trouble Shooting

- △ **Disconnect the power cord before performing any maintenance! NOTE: Turning the ON/OFF Switch to "OFF" does not disconnect all power to the electrical components of the furnace.**
- △ **Never try to repair or replace any part of the furnace unless instructions for doing so are given in this manual. All other work should be done by a trained technician.**

PROBLEM	CAUSE: Too rich air/fuel mixture
Orange, lazy flame, excessive fuel build-up in the burnpot	<ul style="list-style-type: none"> • Clean out the burnpot and burnpot housing • Adjust the air damper on the front of the furnace to an open position. • Make sure that the viewing door is closed and sealed properly. If not, check door gasket.. • Check that all outside connections are clear of any obstructions. • Check the exhaust system; clean as needed.
PROBLEM	CAUSE: Burnpot burns out of fuel
Fire goes out or furnace shuts down.	<ul style="list-style-type: none"> • Hopper is empty, refill the hopper. • Loss of draft pressure. Make sure that the viewing door is closed and sealed properly. Check that all outside connections are clear of any obstructions. Check the exhaust system; clean as needed. • Check that the pressure switch connection to the firebox is free of ash or clear of obstructions. • Auger system is jammed or there is a "bridging" of the fuel in the hopper, preventing fuel from flowing into the auger feed system. • Stove may be shutting down due to an over temperature condition.
PROBLEM	CAUSE: Not enough combustion air; Fuel has too much moisture.
Viewing window becoming black shortly after start-up.	<ul style="list-style-type: none"> • Adjust the air damper to a more open position. • Use a fuel with less moisture content
PROBLEM	CAUSE: Not enough combustion air; Fuel has too much moisture.
"Black Popcorn" is present in the burn chamber.	<ul style="list-style-type: none"> • Adjust the air damper to a more open position. • Use a fuel with less moisture content • Stove might be cycling excessively due to temperature cut backs. • Reduce heat setting
PROBLEM	CAUSE: Chemical reaction between the starch in corn and the heat.
"Clinkers" form in burnpot.	<ul style="list-style-type: none"> • Add calcium carbonate (aka chicken scratch or oyster shell). • Adjust air mixture • Use corn with less moisture or starch.
PROBLEM	CAUSE: Unit is reaching the "Almost Over-temp" preset.
Unit cycles up and down when on the "HIGH" heat setting.	<ul style="list-style-type: none"> • Adjust the heat range to lower setting. • Fuel burns hot causing the furnace to cycle between high setting and lower settings.
PROBLEM	CAUSE: Corn is wet or it has a very high moisture content.
Corn builds up and is not burning completely. Steam is coming from the corn.	<ul style="list-style-type: none"> • Use corn with a moisture content of 11% or less for best results.