

Trouble - Shooting

P38+ Pellet Stove

<u>Problem</u>	<u>Possible Cause</u>
Stove will not keep burning after start up:	<p><u>Low Draft:</u> The draft needs to be sufficient for the pressure switch to allow current to get to the feed motor. (Refer to page 6 in the owners manual.)</p> <p><u>Air flow diversion:</u> Be sure the air intake flapper is opening to allow air to be taken in through the burn pot. Also make sure the clean out cover is closed properly as this will allow air to be pulled through the wrong way.</p> <p><u>Burn Pot:</u> Be sure that any carbon build up has been removed from the burn pot surface. Also make sure all fly ash is cleaned out from inside the burn pot and that the burn pot is tightly secured to the stove body.</p> <p><u>Combustion Blower:</u> Make sure that the cover that is located behind the ash pan is in correctly for proper air flow.</p>
Stove fails to feed properly:	<p><u>When Starting Manually:</u> In order for the unit to start feeding after start up the ESP probe must sense a temperature of 165 deg. F. Make sure that you have plenty of fuel in the burn pot to create a sufficient heat output.</p> <p><u>Hopper Empty:</u> Be sure there is fuel in the hopper.</p> <p><u>Low Draft:</u> The draft needs to be sufficient for the unit to work properly, to test this follow the procedure on page 6 under installing in the owners manual. Also make sure venting is properly sealed.</p> <p><u>Fuel Restriction:</u> Make sure that there is nothing jammed in the hopper or restricting fuel from dropping onto the auger. Also make sure that the slide plate is not sticking due to any dust or moisture.</p> <p><u>Feed Motor:</u> Make sure that the feed motor is working properly, connect the motor to direct power. If this does not work replace the feed motor.</p>

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<p><u>Problem</u></p> <p>Partially Burned Pellets:</p>	<p><u>Possible Cause</u></p> <p><u>Feed Rate:</u> Make sure that your feed rate is set at a sufficient setting.</p> <p><u>Low Draft:</u> Make sure that the burn pot is tight, clean out plate is properly secured to burn pot and door gaskets are all in their proper place.</p> <p><u>Cleaning:</u> For proper combustion you need to make sure that the heat exchanger and burn pot are properly cleaned so that air can freely flow throughout the unit.</p>
<p><u>Problem</u></p> <p>Smelling smoke coming from the unit:</p>	<p><u>Possible Cause</u></p> <p><u>Seal venting:</u> Make sure that all seams in venting are properly sealed with a high temp silicone before starting a fire in the unit. Also make sure that all gaskets on doors and hopper are secure properly.</p>
<p><u>Problem</u></p> <p>Distribution blower will not come on:</p>	<p><u>Possible Cause</u></p> <p><u>Distribution Blower:</u> The distribution blower will not come on until the unit reaches a temperature of 165 deg. F. If the blower is not coming on make sure that you have a fire sufficient enough to generate the necessary heat output.</p> <p><u>Gasket Leaks:</u> If you have a loose gasket around a door or hopper this could be letting air into the stove and giving you a poor draft situation. Make sure that all gasket seals are secured properly into place.</p> <p><u>Poor Quality in Pellets:</u> Poor quality pellets or damp pellets can reduce the output and may not create sufficient heat.</p>

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<u>Problem</u>	<u>Possible Cause</u>
<p>Stove will not shut down:</p>	<p>Shutting the stove down: When you turn the mode selector knob to “off” the stove will go to a minimum burn. The feeder will only cycle for a few seconds each time it runs. This will allow the stove to cool down slowly to the point at which it is safe to shut off the combustion blower. Shut down occurs when the ESP probe cools to a temperature of 90 degrees F. This could take anywhere from 10 min. to 1 1/2 hrs. If the stove is cold and the blower is still running after a few hours the ESP probe may need cleaned or replaced. Never disconnect power to shut down the stove. Not only could you cause the house to fill with smoke, but can also take a risk of damaging the stove or more.</p>