



## *American Energy Systems Inc*

### Information Bulletin

# Spring Maintenance

**Product models covered:** All models of Biomass/Corn/Wood Pellet appliances.

**Topic:** This technical bulletin will be addressing how to perform spring maintenance on your unit to achieve maximum efficiency and enjoyment. Surfaces on the front of the unit will be extremely hot during operation. Always wear heat resistant gloves to perform maintenance. Be diligent with regular, proper cleanings. Read the owner's manual for detailed maintenance instructions.

**Procedure:**

- Run the unit on the higher settings for 2 - 4 hours.**

This helps clean out the heat exchanger system, venting system and firebox area.

- Unplug the unit.**

Remember to plug the unit back in before the heating season begins.

- Clean out all fuel from hopper.**

Fuel can accumulate moisture over the spring and summer months causing the unit to rust and the fuel to mold. Dispose of fuel. Do not store over spring and summer months.

- Clean out firepot/ash pan and underneath both, clean out plugs/slides, heat exchanger area, brick board, entire burn chamber, inside of unit/cabinet.**

Make sure to use an ash vacuum, as a shop vac or regular vacuum may release the dirt into the room. Clean all areas thoroughly.

- Inspect and clean the combustion/draft blower.**

Over the course of the heating season dust and ash may collect on the blades of the combustion blower. It should be inspected and vacuumed clean. The combustion/draft blower is accessed by opening the stove's right side panel and then removing the inspection caps or the exhaust manifold cover. Never operate the stove without the inspection cap or manifold cover in place.

- Inspect and clean the convection/room air fan.**

The convection/room air fan will accumulate dust, cat hair, etc. on the blades during the heating season. This must be vacuumed clean as often as necessary. If you have pets, they will need to be cleaned regularly as the pet hair will clog up the fins and also the motor windings and cause premature wear, overheating and failure of the blower system.

- Inspect all gaskets.**

Inspect and replace if necessary.

- Inspect and clean all venting.**

Clean out all fly-ash, dust, and soot from venting. The products of combustion will contain small particles of fly ash. The fly ash will collect in the exhaust venting system and restrict the flow of the flue gases.

- Lubricate the auger, auger tube, firepot/ash pan area, fuel stirrer and shaft and bearings, and hopper.**

Spray a light coat of lubrication (gun oil, marine oil or fogging oil), to coat the inside of the unit and the moving parts. This will help reduce any rust and hold back moisture from sitting, over the spring and summer, in the unit.

- Clean the glass, doors and outer cabinet so that you are ready for the next heating season.**

# Spring Maintenance Checklist

- Run the unit on the higher settings for 2 – 4 hours.
- Unplug the unit.
- Clean out all fuel from hopper.
- Clean out firepot/ash pan and underneath both, clean out plugs/slides, heat exchanger area, brick board, entire burn chamber, inside of unit/cabinet.
- Inspect and clean the combustion/draft blower.
- Inspect and clean the convection/room air fan.
- Inspect all gaskets.
- Inspect and clean all venting.
- Lubricate the auger, auger tube, firepot/ash pan area, fuel stirrer and shaft and bearings, and hopper.
- Clean the glass, doors and outer cabinet so that you are ready for the next heating season.