



## *American Energy Systems Inc* *Information Bulletin*

### **Monthly Maintenance**

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

**Topic:** This technical bulletin will be addressing how to perform monthly 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:**

**Vacuum behind the brick board.**

Remove firebrick located on the inside of the unit. Then remove the knock-out plugs located on the panel. Inspect the back heat chambers to make sure that they have not plugged. Using the cleaning tool provided, thoroughly vacuum ash out of area, using an ash vacuum cleaner, any obstruction that would cause the ash to not drop out of the chamber.

**Inspect and clean the interior ash chamber.**

Vacuum any ash from entire area. Make sure to use an ash vacuum.

**Inspect and clean the back ash chamber (Magnum Baby Countryside).**

Inspect the back ash chambers to make sure that they have not plugged. Using the cleaning tool provided, Clean out any obstruction that would cause the ash to not drop out of the chamber.

**Open clean out plugs/caps and tees.**

Vacuum out any dust, ash, or fines from these areas. Make sure to use an ash vacuum.

**Change furnace filter. (Magnum 6500 & Magnum 7500 Furnace)**

This may need to be done more often depending on the filter purchased.

**Inspect and clean the chimney pipe and cap.**

Look for soot buildup and clean thoroughly.

**Inspect and clean the inside of unit/cabinet.**

Take the side panels off and clean any fines, dust or ash.

**Inspect hopper for leaks.**

Completely inspect inside and outside of the hopper for any leaks. Seal with silicone if any leaks are found.

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

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. (Do not remove the combustion/draft blower, as damage could occur to gasket.)

**Inspect and clean venting system.**

Cleaning may vary depending on the ash and debris in your fuel.



## Monthly Maintenance Checklist

- Vacuum behind the brick board.
- Inspect and clean the interior ash chamber.
- Inspect and clean the back ash chamber (Baby Countryside).
- Open clean out plugs/caps and tees.
- Change furnace filter. (7500/6500)
- Inspect and clean the back heat chamber.
- Inspect and clean the chimney pipe and cap.
- Inspect and clean the inside of unit/cabinet.
- Inspect hopper for leaks.
- Inspect and clean the combustion/draft blower.
- Inspect and clean the convection/room air fan.
- Inspect all gaskets.
- Inspect and clean venting system.

