



American Energy Systems Inc

Information Bulletin

Weekly Maintenance

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

Topic: This technical bulletin will be addressing how to perform weekly 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:

Set the stove on high fire.

Open the draft 100% (all the way out) and allow the stove to burn for 15 minutes. This will help draw the fly ash to the back of the stove. (Remember the unit is not burning.) After cleaning, push the draft knob back into the stop collar.

Shut the down stove.

As directed in the operating instructions, allow the stove to cool to room temperature.

Vacuum the hopper.

This may need to be done more often if fuel has a lot of fines, dirt, cobs, etc. Make sure to use an ash vacuum, as a shop vac or regular vacuum may release the dirt into the room.

Remove the small clean-out slides in the lower corners of the firebox.

Replace the clean out chamber doors when cleaning is completed. Make sure these are closed when operating the unit. (On some units this is also in the front.)

Tap the sides of the burn chamber with the clean-out tool.

Do not tap the firewall behind the burn box as it may damage the insulation.

Clean the fly ash from the clean-out chambers.

Clean towards the front of the burn chamber, using the clean-out tool.

Remove the firepot/ash pan.

Stop the fuel stirrer in the upright position, slide the collar off of the fuel stirrer coupler shaft and pull up and out on the firepot. Using the clean-out tool, remove any ash that might have built up in the system or air intake.

Remove the fly ash from the burn chamber.

Vacuum all fly ash from the entire area.

Inspect under the firepot/ash pan for build up of ash.

Do not allow any buildup under the firepot, as it will not sit correctly and could cause air flow issues. Replace the firepot when cleaning is completed.

Inspect and clean all air holes.

Vacuum out, if anything is blocking the area. Make sure to use an ash vacuum.

Vacuum the cleanout chambers, firebox/ash pan and underneath both.

This may need to be done more often if fuel has a lot of fines, dirt, cobs, etc. Make sure to use an ash vacuum, as a shop vac or regular vacuum may release the dirt into the room

Inspect and clean the clean out tee and exhaust system.

If your fuel has a high ash content and/or significant debris in it, your exhaust system will require weekly cleaning. Remove the exhaust pipe from the back of your stove and remove any ash that my have collected in the pipes. Replace the pipes to the stove and seal with high temperature seal tape. If you have installed proper clean out tees you will not have to take the chimney sections apart.

Weekly Maintenance Checklist

- Set the stove on high fire.**
- Shut the down stove.**
- Vacuum the hopper.**
- Remove the small clean-out slides in the lower corners of the firebox (on some units also in the front).**
- Tap the sides of the burn chamber with the clean-out tool.**
- Clean the fly ash from the clean-out chambers.**
- Remove the firepot/ash pan.**
- Remove the fly ash from the burn chamber.**
- Inspect under the firepot/ash pan for build up of ash.**
- Inspect and clean all air holes.**
- Vacuum the cleanout chambers, firebox/ash pan and underneath both**
- Inspect and clean the clean out tee and exhaust system.**