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PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

PELLET STOVE



# M-55-FS

## OWNER'S MANUAL



**PLEASE READ THIS ENTIRE MANUAL BEFORE INSTALLATION AND USE OF THIS PELLET-BURNING ROOM HEATER. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH.**

Contact your building or fire officials about restrictions and installation inspection requirements in your area.

**50-2061**

# ROUTINE CLEANING AND MAINTENANCE

The following list of components should be inspected and maintained routinely to ensure that the appliance is operating at its optimum and giving you excellent heat value. The appliance, flue gas connector and the chimney flue require regular cleaning. Check them for blockage prior to re-lighting after a prolonged shut down period.

Check the Burn Pot Liner DAILY	
Weekly	Bi-annually or 2 Tons of Fuel
Burn Pot and Liner - Empty	Exhaust Vent
Agitator	Fresh Air Intake Tube
Heat Exchanger Tubes	Blower Mechanisms
Door Glass	Heat Exchanger Tubes
Ash Pan and Door Gaskets	Behind Firebox Liners
Inside Firebox	All Hinges
Door Latch	Post Season Clean-up
Ash Box	

## TOOLS REQUIRED TO CLEAN UNIT:

Torx T-20 Screwdriver, 1/4", 5/16" 3/8", & 7/16" wrench and/or socket, Brush, Soft Cloth, and Vacuum with fine filter bag

### BURNER POT AND LINER (Checked Daily/Emptied Weekly)

This is the 'pot' where the pellets are burned. **Only clean when the unit is cold.**

Note: If, after long periods of burning, the fire continually builds up and overflows the burn pot or there is a build up of clinkers, this is an indication that the pellet fuel quality is poor or the stove may need cleaning. Check the stove for ash build up (clean if required) and adjust the slider / damper to produce the proper clean combustion.

1. Open the door using the door handle located on the right-hand side of the stove.
2. Lift the lever on burn pot to unlock the fire grate and remove it.
3. The agitator locks at the right; rotate the top of the agitator towards the back of the firebox to unlock it, slide it to the left, and lift it out of the burn pot liner.
4. Lift the burn pot liner out of the stove.
5. Lift the burn pot from the firebox by gently lifting it up at the front of the burn pot, then slide it out from around the air intake tube and the ignitor cartridge. The ignitor is spring loaded to help with removal and installation.
6. Remove any build up on the agitator (calcium build-ups are common when burning corn). Using a metal scrapper, remove material that has accumulated or is clogging the liner's holes. Then dispose of the scrapped ashes from the liner and from inside the burn-pot.
7. Place the burn-pot back into the stove, there are hooks at the front of the burn pot that sit in a mount in the firebox. Ensure that the air intake tube and the ignitor cartridge are properly inserted into the burn pot.
8. Place the liner back into the burn-pot, making sure that the ignitor hole in the liner is aligned with the ignitor tube; push the liner up against the ignitor tube.
9. Slide the agitator back into place and turn rotate the top towards the front of the stove to lock it in.
10. Set the fire grate in place, it should sit level on the front and back of the burn pot liner. Lock it in with the lever on the burn pot.
11. Close the door

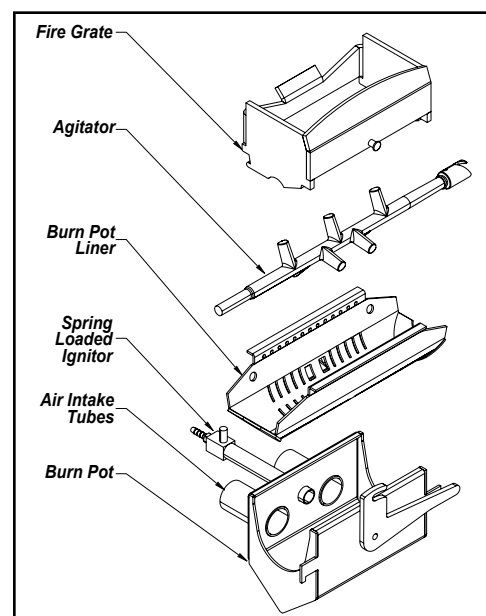


Figure 8: M-55-FS Burn Pot Assembly.

# ROUTINE CLEANING AND MAINTENANCE

## HEAT EXCHANGER TUBES (Weekly)

The exchanger tube scraper rod handle is located above the firebox door. Move the handle all the way in and out a few times (ONLY WHEN THE UNIT IS COLD) in order to clean away any fly ash that may have collected on the heat exchanger tubes. As different types of pellets produce different amounts of ash, cleaning of the tubes should be done on a regular basis to enable the unit to run efficiently.

## DOOR GLASS CLEANING (Weekly)

Cleaning of the glass must only be done when stove is cold. Open the door by lifting the handle. The glass can be cleaned by wiping down the outside and inside of the glass with a dry soft cloth.

If the glass has build up that can not be removed with only the cloth, clean the glass using paper towel and a gas appliance glass cleaner, this may be purchased through most dealers. If a gas appliance glass cleaner is not available, use a damp paper towel dipped in fly ash to clean the glass. After the glass has been cleaned use the dry soft cloth to wipe down the outside and inside of the glass.

## ASH PAN AND DOOR GASKETS (Weekly)

After extended use the gasketing may come loose. To repair this, glue the gasketing on using high-temperature fiberglass gasket glue available from your local dealer. This is important to maintain an airtight assembly.

## ASH BOX (Weekly)

**IMPORTANT:** The unit must be OFF while the ash pan is removed.

The ash box is located behind the lower door (see Figure 10). To remove the ash box, lift the latch on the right, open the ash box door, and lift it out.

Dump the ashes into a metal container stored away from combustibles. Monitor the ash level every week. Remember that different pellet fuels will have different ash contents. Ash content is a good indication of fuel efficiency and quality. Refer to "SAFETY WARNINGS AND RECOMMENDATIONS" for disposal of ashes. Vacuum the inside of the ash pan compartment inside the pedestal including the hole at the top back of the compartment. Insert the ash box fully and close ash box door.

## DO NOT PLACE UNBURNED OR RAW PELLET FUEL IN ASH PAN.

## EXHAUST VENT (Biannually)

This vent should be cleaned every year or after two tons of pellets. We recommend contacting your dealer for professional cleaning. To clean the vent pipe, tap lightly on the pipe to dislodge any loose ash. Open the bottom of the "T" to dump the ash, then vacuum as much of the ash out of the vent pipe as possible.

## FRESH AIR INTAKE (Biannually)

Inspect periodically to be sure that it is not clogged with any foreign materials.

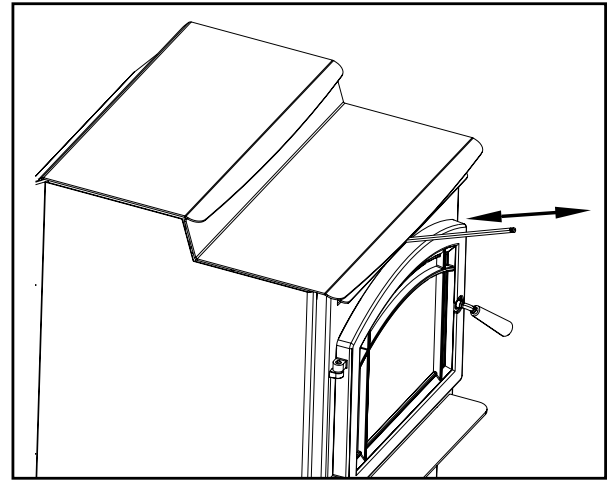


Figure 9: M-55-FS Heat Exchanger Cleaning.

# ROUTINE CLEANING AND MAINTENANCE

## EXHAUST PASSAGES (Biannually)

1. Open the firebox door by lifting the handle.
2. Remove the burn pot assembly and clean all the parts.
3. Lubricate all screws with penetrating oil.
4. Lift the baffle, remove the firebox liner, and lift out the firebox lower. Vacuum the firebox and firebox liner thoroughly.
5. Open the ash box door; remove the ash box and cleanout the cavity.
6. Re-install the ash box, firebox lower, firebox liner, burn pot, and burn pot liner
7. Close the firebox and ash pan doors and secure.

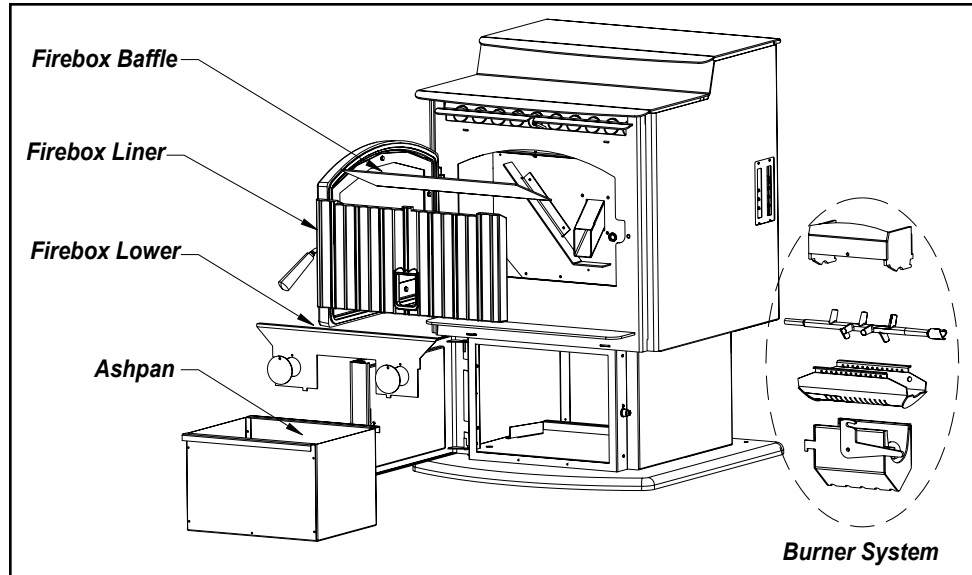


Figure 10: M-55-FS Exhaust Passages.

## BLOWER MECHANISMS (Annually)

Unplug the stove then open the right and left side panels to access the two blowers. Remove the two (2)  $\frac{5}{16}$  hex head screws from the upper & lower edge located on the front edge of the panel. Vacuum all dust from motors. The blower motors has sealed bearings, DO NOT lubricate this motor. Check gaskets and replace if needed.

## POST SEASON CLEAN-UP

Once you are finished using the pellet appliance for the season, unplug the stove for added electrical protection. It is very important that the stove be cleaned and serviced as stated above.

## CLEANING PAINTED SURFACES

Please clean painted surfaces with a soft damp cloth.

## FIREBOX LINER

The paint on the Firebox Liner may peel. This is due to extreme conditions applied to the paint and is in no way covered by warranty.

## DOOR GLASS REPLACEMENT

It is recommended that your dealer replace the glass if broken. The door glass is made of high temperature PYRO CERAMIC. To replace the glass, unscrew and remove the six (6) retainer nuts using a  $\frac{5}{16}$ " socket. Remove the glass and any broken pieces. High temperature fiberglass tape should be used around the glass in the same location as the original fiberglass. Insert the glass into the retainer, screw the door to the retainer, and gently tighten nuts. The use of substitute materials is prohibited: #50-2025 Glass  $14\frac{7}{8}$ " x  $11\frac{3}{8}$ " (378mm x 289mm).