Shock and Smoke Hazard

- Turn down thermostat, let appliance completely cool and exhaust blower must be off. Now you can unplug appliance before servicing.
- Smoke spillage into room can occur if appliance is not cool before unplugging.
- Risk of shock if appliance not unplugged before servicing appliance.

CAUTION

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:
- Installation and use of any damaged appliance.
- Modification of the appliance.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.
- Operating appliance without fully assembling all components.
- Operating appliance without legs attached (if supplied with unit).
- Do NOT Overfire

Or any such action that may cause a fire hazard.

NOTE: Hearth & Home Technologies, manufacturer of this appliance, reserves the right to alter its products, their specifications and/or price without notice.
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**Page 2**
A. PLUG IN STOVE -- NO RESPONSE
   1) CHECK THE POWER SUPPLY FOR 115 VOLTS
   2) CHECK THE FUSE IN THE JUNCTION BOX (7 AMP)
   3) CHECK SNAP DISC #3 FOR POWER
   4) CHECK CONTROL BOX

B. CALL LIGHT ON -- NO FIRE -- NO FUEL IN FIREPOT
   1) CHECK HOPPER FOR BRIDGING OF PELLETS
   2) PUSH RESET BUTTON & ADJUST FEED ADJUSTMENT PLATE
   3) CHECK TO MAKE SURE THE FRONT DOOR IS CLOSED
   4) CHECK VENTING SYSTEM FOR OBSTRUCTIONS
   5) CHECK VACUUM SWITCH AND VACUUM HOSE
   6) CHECK FEED MOTOR
   7) CHECK EXHAUST BLOWER
   8) CHECK HOPPER SWITCH

C. CALL LIGHT ON -- NO FIRE -- PARTIALLY BURNED FUEL IN POT
   1) CHECK FIREPOT AND CLEAN
   2) CHECK THERMOCOUPLE
      *GREEN LIGHT------- 2.7 mV (+.5mV)
      *RED LIGHT-------- 12.0 mV (+ 1mV)
   3) CHECK INITIAL FEED TIME (60 SECONDS)

D. CALL LIGHT ON -- NO FIRE -- FUEL IN FIREPOT
   1) CHECK FIREPOT FOR “CLINKER” MATERIAL
   2) CLEAN FIREPOT
   3) CHECK IGNITER
   4) CHECK CONTROL BOX

CAUTION

Shock hazard.
• Do NOT remove grounding prong from plug.
• Plug directly into properly grounded 3 prong receptacle.
• Unplug cord before doing any checks or repairs.
• Do NOT touch wires while unit is plugged in.
TROUBLESHOOTING & REPAIR

E. SLOW OR SMOKEY START UP
   1) CLEAN FIREPOT
   2) FEED ADJUSTMENT PLATE MAY BE SET TOO HIGH
   3) CHECK EXHAUST BLOWER AND HEAT EXCHANGER

F. STOVE RUNS FOR 18 MINUTES -- THEN STOPS FEEDING FUEL
   1) CHECK THERMOCOUPLE
      *GREEN LIGHT (2.7 mVDC)
      *RED LIGHT (12.0 mVDC)
   2) ADJUST FEED ADJUSTMENT PLATE FOR LARGER FIRE
   3) CHECK THERMOCOUPLE COVER
      *COVER NEEDS TO TOUCH THE END OF THE T-COUPLE WIRE
      *COVER SHOULD EXTEND 1" INTO FIREPOT
   4) CHECK CONTROL BOX

G. FEED SYSTEM FAILS TO START
   1) CHECK FRONT DOOR AND MAKE SURE IT IS CLOSED
   2) CHECK TO SEE IF CALL LIGHT IS ON
   3) CHECK THERMOSTAT, #2 SNAP DISC, AND HOPPER SWITCH
   4) CHECK FEED MOTOR AND VACUUM SWITCH
   5) CHECK EXHAUST SYSTEM FOR OBSTRUCTIONS

H. THERMOSTAT WILL NOT START UNIT
   1) CHECK THERMOSTAT WIRES FOR CONTINUITY
   2) CHECK THE HOPPER SWITCH
   3) CHECK THE RESET BUTTON
   4) CHECK FOR POWER TO THE STOVE
   5) CHECK CONTROL BOX

---

WARNING

Shock hazard.
- Do NOT remove grounding prong from plug.
- Plug directly into properly grounded 3 prong receptacle.
- Unplug cord before doing any checks or repairs.
- Do NOT touch wires while unit is plugged in.
TROUBLESHOOTING & REPAIR

I. UNIT FAILS TO SHUT OFF
   1) CHECK THERMOSTAT AND THERMOSTAT WIRE
   2) CHECK THE JUNCTION BOX & WIRE HARNESS
   3) CHECK THE CONTROL BOX

J. CONVECTION BLOWER KEEPS RUNNING OR FAILS TO START
   1) CHECK #1 SNAP DISC
   2) CHECK CONVECTION BLOWER
   3) CHECK FOR VOLTAGE TO THE #1 SNAP DISC

K. STOVE CYCLES ON AND OFF -- THERMOSTAT ALWAYS ON
   1) CHECK CONTROL BOX
   2) CHECK VACUUM SWITCH OR HOPPER SWITCH
   3) CHECK WIRING FOR LOOSE CONNECTIONS

L. LARGE FIRE, ASH BUILD UP & DIRTY GLASS
   1) CHECK FIREPOT, MAY NEED TO BE CLEANED
   2) CLEAN EXHAUST AND HEAT EXCHANGER SYSTEM
   3) ADJUST FEED ADJUSTMENT PLATE IN THE HOPPER
   4) CHECK CONTROL BOX FEED TIMES

M. STOVE IGNITES -- GOES OUT -- CALL LIGHT STILL ON
   "STOVE IS INCONSISTANT IN OPERATION"
   1) INSPECT THERMOCOUPLE AND ITS POSITION OVER THE POT
   2) CHECK THE FEED MOTOR
   3) ADJUST FEED ADJUSTMENT PLATE FOR A LARGER FIRE
   4) CHECK THE EXHAUST AND HEAT EXCHANGER SYSTEM
   5) CHECK THE VACUUM SWITCH OR HOPPER SWITCH

CAUTION
Shock hazard.
• Do NOT remove grounding prong from plug.
• Plug directly into properly grounded 3 prong receptacle.
• Unplug cord before doing any checks or repairs.
• Do NOT touch wires while unit is plugged in.
FOLLOW THE PELLET STOVE OPERATION AND VERIFY THAT EACH COMPONENT IS COMING ON.

IF THAT COMPONENT IS NOT COMING ON, REFER TO THE TROUBLESHOOTING SECTION FOR THAT COMPONENT.

AFTER THAT PART HAS BEEN FIXED, PROCEED WITH THE OPERATION OF THE STOVE AND MAKE SURE THAT EACH OPERATION IS TAKING PLACE.

(START)

1. THERMOSTAT TURNS ON. RED CALL LIGHT ILLUMINATES ON THE STOVE.

2. EXHAUST BLOWER TURNS ON.

3. IGNITER TURNS ON.

4. VACUUM SWITCH CLOSES.

ITEMS TO CHECK: POSSIBLE PROBLEMS OR FAILED COMPONENT

BOX 1: THERMOSTAT, THERMOSTAT WIRE, WIRE HARNESS, OR CONTROL BOX

BOX 2: EXHAUST BLOWER, CONTROL BOX, WIRE HARNESS

BOX 3: IGNITER, CONTROL BOX, WIRE HARNESS

BOX 4: VACUUM SWITCH, VACUUM HOSE, VENT OR HEAT EXCHANGER BLOCKAGE, DOOR SEAL
**OPERATION FLOWCHART**

5. **FEED MOTOR WILL FEED FOR 54 SECONDS AND STOP.**

6. **PELLETS IGNITE IN THE FIREPOT.**

7. **HEAT FROM FIRE TURNS ON GREEN THERMOCOUPLE LIGHT IN THE CONTROL BOX (2.7mVDC).**

8. **FEED MOTOR STARTS ITS CYCLE MODE. (EACH CYCLE IS 7 SECONDS).**

9. **HEAT FROM FIRE TURNS ON RED THERMOCOUPLE LIGHT IN THE CONTROL BOX (12.1mVDC).**

**ITEMS TO CHECK: POSSIBLE PROBLEMS OR FAILED COMPONENT**

**BOX 5:** #2 SNAP DISC, WIRE CONNECTIONS, FEED MOTOR, CONTROL BOX, HOPPER SWITCH

**BOX 6:** FIREPOT, FEED ADJUSTMENT PLATE, VENT PIPE BLOCKAGE

**BOX 7:** THERMOCOUPLE, THERMOCOUPLE CONNECTIONS, CONTROL BOX, WIRE HARNESS

**BOX 8:** CONTROL BOX, THERMOCOUPLE, FEED ADJUSTMENT PLATE

**BOX 9:** CONTROL BOX, THERMOCOUPLE, FEED ADJUSTMENT PLATE

**FEED MOTOR “ON” TIMES**

**PS 35**
- LOW = 0.9 SECONDS
- MEDIUM = 1.6 SECONDS
- HIGH = 2.2 SECONDS

**PS 50**
- LOW = 1.1 SECONDS
- MEDIUM = 1.9 SECONDS
- HIGH = 2.7 SECONDS
ITEMS TO CHECK: POSSIBLE PROBLEMS OR FAILED COMPONENT

BOX 10: CONTROL BOX

BOX 11: #1 SNAP DISC, WIRE CONNECTIONS, WIRE HARNESS, CONVECTION BLOWER

BOX 12: CONVECTION BLOWER, WIRE CONNECTIONS

BOX 13: FEED ADJUSTMENT PLATE, PELLET FUEL, CONTROL BOX

BOX 14: THERMOSTAT, THERMOSTAT WIRE
ITEMS TO CHECK: POSSIBLE PROBLEMS OR FAILED COMPONENT

BOX 15: THERMOSTAT, THERMOSTAT WIRE, WIRE HARNESS

BOX 16: CONTROL BOX

BOX 17: CONTROL BOX, WIRE HARNESS

BOX 18: #1 SNAP DISC

BOX 19: #1 SNAP DISC, WIRE HARNESS
FEED MOTOR TROUBLE-SHOOTING

1) TURN ON THERMOSTAT CIRCUIT AND MAKE SURE THAT THE CALL LIGHT IS ON

2) CHECK FOR POWER AT THE VACUUM SWITCH:
   A. IF NO POWER FROM RED WIRE-----CHECK CONTROL BOX OR WIRE HARNESS
   B. POWER ON RED FROM HARNESS BUT NO POWER ON RED GOING TO HOPPER SWITCH -----CHECK VACUUM SWITCH OR VENT SYSTEM

3) CHECK FOR POWER AT THE ORANGE WIRE ON THE HOPPER SWITCH
   A. IF NO POWER FROM ORANGE WIRE----CHECK WIRE HARNESS OR HOPPER SWITCH
   B. IF POWER IS PRESENT-----CHECK #2 SNAP DISC

4) CHECK FOR POWER AT THE BLACK WIRE FROM #2 SNAP DISC:
   A. IF NO POWER FROM BLACK WIRE----CHECK WIRE HARNESS OR SNAP DISC
   B. IF POWER IS PRESENT-----CHECK FEED MOTOR

NOTE: REMEMBER THAT THE FEED CIRCUIT INITIAL FEED TIME IS 60 SECONDS. PUSH THE RESET BUTTON BEFORE EACH TEST.
IGNITER TROUBLE-SHOOTING

1) TURN ON THE THERMOSTAT CIRCUIT AND MAKE SURE THE CALL LIGHT IS ON

2) CHECK FOR POWER AT THE IGNITER:
   A. IF NO POWER------CHECK THE WIRE HARNESS OR REPLACE THE CONTROL BOX
   B. IF POWER IS PRESENT-----REPLACE THE IGNITER

IGNITER CIRCUIT

CAUTION
Shock hazard.
- Do NOT remove grounding prong from plug.
- Plug directly into properly grounded 3 prong receptacle.
- Unplug cord before doing any checks or repairs.
- Do NOT touch wires while unit is plugged in.
EXHAUST BLOWER TROUBLE-SHOOTING

1) TURN ON THE THERMOSTAT CIRCUIT AND MAKE SURE THE CALL LIGHT IS ON

2) CHECK FOR POWER AT THE BLUE WIRE ON THE CONNECTOR

- OPEN CIRCUIT VOLTAGE AT THE BLUE CONNECTOR WILL BE 115 V ON THE HIGH SETTING ONLY
- CLOSED CIRCUIT VOLTAGE WILL BE:  
  - (PS35) 115 V (HIGH) 109 V (MEDIUM) 103 V (LOW)
  - (PS50) 115 V (HIGH) 104 V (MEDIUM) 91 V (LOW)

***NOTE: LOW & MEDIUM VOLTAGES WILL VARY DEPENDING ON THE VOLTAGE FROM THE HOME.
A. IF POWER IS PRESENT------REPLACE THE EXHAUST BLOWER
B. IF NO POWER------CHECK THE WIRE HARNESS OR REPLACE THE CONTROL BOX

NOTE: OPEN CIRCUIT VOLTAGE IS MEASURED WITH THE BLOWER DISCONNECTED FROM THE WIRE HARNESS. CLOSED CIRCUIT VOLTAGE IS MEASURED WITH THE BLOWER HOOKED UP TO THE HARNESS. ONE LEAD FROM THE VOLTMETER MUST BE CONNECTED TO THE BLUE WIRE ON THE MOTOR AND THE OTHER LEAD CONNECTED TO THE WHITE WIRE FROM THE POWER SUPPLY.

EXHAUST BLOWER CIRCUIT

- PS 35 HAS 2 WHITE LEAD WIRES COMING OFF OF THE BLOWER.
- **PS 50 BLOWER CONNECTS DIRECTLY TO THE HARNESS. (NO LEAD WIRES)
CONVECTION BLOWER TROUBLE-SHOOTING

1) CHECK FOR POWER AT THE PURPLE WIRE FROM THE #11 PIN AT THE SNAP DISC

OPEN CIRCUIT VOLTAGE TO ONE SIDE OF SNAP DISC WILL BE 115 V FOR THE HIGH SETTING ONLY

CLOSED CIRCUIT VOLTAGE WILL BE: (PS35) 115 V (HIGH) 94 V (MEDIUM) 80 V (LOW)
(PS50) 115 V (HIGH) 85 V (MEDIUM) 75 V (LOW)

***NOTE: LOW & MEDIUM VOLTAGES WILL VARY DEPENDING ON THE VOLTAGE FROM THE HOME.

A. IF POWER IS PRESENT ON BOTH SIDES OF THE DISC: CHECK THE WIRE HARNESS OR REPLACE THE CONVECTION BLOWER (Stove must be hot to create a closed circuit on the snap disc.)

B. IF POWER IS PRESENT ON JUST ONE SIDE: REPLACE THE SNAP DISC

C. IF NO POWER IS PRESENT: CHECK THE FUSES & WIRE HARNESS OR REPLACE CONTROL BOX

NOTE: THE VOLT METER MUST HAVE ONE LEAD CONNECTED TO THE WHITE NEUTRAL WIRE FROM THE POWER SUPPLY TO BE ABLE TO READ THE CORRECT VOLTAGE AT THE SNAP DISC. A JUMPER WIRE CAN BE USED ON #1 SNAP DISC TO CREATE A CLOSED CIRCUIT.

CONVECTION BLOWER CIRCUIT
POWER SUPPLY TROUBLE-SHOOTING

1) CHECK FOR POWER AT THE BLACK WIRE FROM THE POWER CORD. (SEE FIG. 1)
   A. IF NO POWER------CHECK OUTLET OR REPLACE POWER CORD
   B. IF POWER IS PRESENT, CONTINUE TO STEP 2

2) CHECK FOR POWER AT THE GREY WIRE ON THE 7 AMP FUSE HOLDER. (SEE FIG. 2)
   A. IF NO POWER------REPLACE THE FUSE OR THE FUSE HOLDER
   B. IF POWER IS PRESENT, CONTINUE TO STEP 3

3) CHECK FOR POWER AT THE GREY WIRES ON SNAP DISC #3. (SEE FIG. 3)
   A. IF NO POWER------RESET THE SNAP DISC OR REPLACE IT
   B. IF POWER IS PRESENT---CHECK FOR CONTINUITY AT PIN 5 (WHITE WIRE) TO POWER CORD
      (FIG.4 & 5) OR REPLACE THE CONTROL BOX

CAUTION

Shock hazard.
- Do NOT remove grounding prong from plug.
- Plug directly into properly grounded 3 prong receptacle.
- Unplug cord before doing any checks or repairs.
- Do NOT touch wires while unit is plugged in.
POWER SUPPLY TESTING

TO CHECK FOR CONTINUITY:
1) PUT A JUMPER WIRE ON THE END OF THE POWER CORD. (SEE FIGURE 5)
2) SET THE VOLT METER TO OHMS AND PUT THE PROBES ON PIN 5 & PIN 12. (SEE FIGURE 4)
IF THE CIRCUIT IS COMPLETE, THE READING SHOULD BE “0”.

FIGURE 1
POWER CORD
BLACK
WHITE
GREEN
THERMOSTAT BLOCK

FIGURE 2
GREY WIRE
BLACK WIRE
7 AMP FUSE HOLDER

FIGURE 3
#3 SNAP DISC
CHECK FOR POWER ON BOTH SIDES.

FIGURE 4
JUNCTION BOX

FIGURE 5
JUMPER WIRE
THERMOSTAT CIRCUIT TROUBLE-SHOOTING

1) UNPLUG THE STOVE & REMOVE THE CONTROL BOX

2) TURN ON THE THERMOSTAT & MAKE SURE THE ACCESSORY JUMPER IS IN PLACE

3) CHECK FOR CONTINUITY AT PIN 7 & PIN 9 ON THE JUNCTION BOX
   IF THE CIRCUIT HAS CONTINUITY: REPLACE THE CONTROL BOX
   IF NO CONTINUITY, CONTINUE TO THE NEXT STEP

4) INSTALL A JUMPER WIRE ON THE THERMOSTAT & CHECK FOR CONTINUITY AT PIN 7 & PIN 9
   IF THE CIRCUIT HAS CONTINUITY: REPLACE THE THERMOSTAT
   IF NO CONTINUITY, CONTINUE TO THE NEXT STEP

5) REMOVE THE THERMOSTAT WIRES FROM THE THERMOSTAT BLOCK & INSTALL A JUMPER WIRE
   IF THE CIRCUIT HAS CONTINUITY: REPLACE THE THERMOSTAT WIRE
   IF NO CONTINUITY, CONTINUE TO THE NEXT STEP

6) INSTALL A JUMPER WIRE ON THE T-STAT BLOCK & THE RESET BUTTON. CHECK CONTINUITY (7&9)
   IF THE CIRCUIT HAS CONTINUITY: REPLACE THE RESET BUTTON
   IF NO CONTINUITY: REPLACE THE JUNCTION BOX/WIRE HARNESS
THERMOCOUPLE TESTING

THE THERMOCOUPLE IS MADE UP OF TWO DISSIMILAR METALS THAT WHEN JOINED TOGETHER PRODUCE A SMALL AMOUNT OF ELECTRICITY WHEN HEAT IS APPLIED. THE HOTTER THE FIRE THE HIGHER THE VOLTAGE THAT IS PRODUCED. THIS THERMOCOUPLE WILL TOP OUT AT AROUND 30 MILLIVOLTS (DC) WHILE THE STOVE IS BURNING ON HIGH. THE FUNCTION OF THE THERMOCOUPLE IS TO SENSE THE TEMPERATURE IN THE FIREPOT. IF THE THERMOCOUPLE IS FRACTURED, IT WILL NOT PRODUCE VOLTAGE.

ALSO, AN AMBER LIGHT IN THE CONTROL WILL FLASH IF THE CIRCUIT IS OPEN OR IF THE THERMOCOUPLE IS FRACTURED.

1) ATTACH A DIGITAL VOLT METER TO THE TWO THERMOCOUPLE CONNECTORS ON THE HARNESS

NOTE: BE SURE TO SET THE METER TO MILLIVOLTS (DC) AND A JUMPER WIRE MAY NEEDED TO CHECK MILIVOLTS WHILE THE THERMOCOUPLE IS HOOKED UP.

2) APPLY HEAT TO THE THERMOCOUPLE TIP IN THE FIREPOT

IF THE THERMOCOUPLE STARTS PRODUCING VOLTAGE: CHECK TERMINAL CONNECTIONS ON THE WIRE HARNESS OR REPLACE THE CONTROL BOX.

IF NO VOLTAGE FROM THE THERMOCOUPLE: REPLACE THE THERMOCOUPLE
FIREPOT AND EXHAUST SYSTEM TROUBLE-SHOOTING

THE FIREPOT IS MADE OF CAST STEEL AND IS DESIGNED WITH AIR INTAKE HOLES THAT SWIRL THE FIRE AND HELP TO REMOVE THE ASH CREATED FROM THE BURNING OF THE PELLET FUEL. THERE IS ALSO A SLOT OR AIR PASSAGE IN THE BOTTOM SIDE OF THE FIREPOT THAT ALLOWS HOT AIR FROM THE IGNITER TO LIGHT THE PELLET FUEL. DURING THE BURN CYCLE PROCESS IN THE FIREPOT, "CLINKER" MATERIAL WILL START TO BUILD-UP. (SEE *FIGURE 1) THE RATE OF THIS BUILD-UP WILL DEPEND ON THE QUALITY OF THE PELLET FUEL BEING USED. OVER TIME THIS BUILD-UP OF CLINKER MATERIAL CAN OBSTRUCT THE AIR PASSAGES AND CAN CAUSE PROBLEMS WITH THE OPERATION OF THE FIREPOT. THIS CAN ALSO CAUSE THE FIREPOT CLEAN OUT DOOR TO BECOME HARD TO PULL IF THE FIREPOT IS NOT CLEANED ON A REGULAR BASIS.

THE FIREPOT IS JUST ONE COMPONENT OF THE TOTAL COMBUSTION SYSTEM. COMBUSTION AIR FLOWS INTO A ROUND OPENING LOCATED AT THE LOWER REAR OF THE UNIT. (SEE *FIGURE 2) THIS AIR TRAVELS INTO THE ASHPAN AREA LOCATED BELOW THE BOTTOM OF THE FIREPOT. (SEE *FIGURE 3) COMBUSTION AIR WILL FLOW THROUGH THE AIR OPENINGS IN THE FIREPOT AND IS THEN TRANSFORMED INTO EXHAUST GASES. THE EXHAUST GASES WILL FLOW FROM THE FIREPOT TO THE BAFFLE PLATES AND REAR FIREBOX AREA. (SEE *FIGURE 4) THE EXHAUST WILL FLOW FROM THE BAFFLE AREA TO THE EXHAUST BLOWER HOUSING. (SEE *FIGURE 5) THIS COMPLETES THE NEGATIVE PRESSURE OR VACUUM PORTION OF THE COMBUSTION SYSTEM. AFTER THE EXHAUST ENTERS THE EXHAUST BLOWER HOUSING IT IS THEN PUSHED OUT INTO THE VENT PIPE OR CHIMNEY PORTION OF THE EXHAUST SYSTEM. (SEE *FIGURE 6)

IF ANY PART OF THE EXHAUST SYSTEM IS RESTRICTED, THE STOVE WILL BURN DIRTY WITH TALL LAZY FLAMES. THE STOVE MAY ALSO EXPERIENCE PROBLEMS WITH LIGHTING THE PELLET FUEL DUE TO THE REDUCED AIR FLOW THROUGH THE FIREPOT.

IF ANY PART OF THE EXHAUST SYSTEM IS BLOCKED, THE STOVE WILL NOT FEED BECAUSE THE VACUUM SWITCH WILL NOT ENGAGE. NORMALLY THE STOVE WILL HAVE BETWEEN .08 TO .16 INCHES OF WATER COLUMN IN THE FIREBOX WITH STOVE SET ON THE HIGH FEED RATE.

* FIGURE EXAMPLES ARE LOCATED ON THE NEXT PAGE *
FIREPOT AND EXHAUST SYSTEM TROUBLE-SHOOTING

**FIG. 1**
Example of a very large clinker

**FIG. 2**
Combustion air intake

**FIG. 3**
Firepot

**FIG. 4**
Firebox area with baffle plates removed

Air intake in the combustion chamber (located under ash pan)
FIREPOT AND EXHAUST SYSTEM TROUBLE-SHOOTING

FIG. 5
EXHAUST BLOWER
EXHAUST BLOWER WITH
THE BAFFLES REMOVED

FIG. 6
VENT PIPE ADAPTER
## GENERAL SPECIFICATIONS

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</tr>
<tr>
<td>#3 (Over Heat, Shuts Off All Power, Manual Reset)</td>
<td>L250</td>
<td>L250</td>
</tr>
<tr>
<td><strong>VACUUM:</strong> (Cold Stove on the High Setting, Fuel in Hopper)</td>
<td>.9 to .12 wc</td>
<td>.12 to .16 wc</td>
</tr>
</tbody>
</table>

**NOTE:** Specifications are approximate.
PLEASE ANSWER ALL OF THE QUESTIONS BELOW IF YOU NEED TO CONTACT THE TECHNICAL SERVICES DEPARTMENT. THIS WILL HELP US TO IDENTIFY THE PROBLEM FASTER AND WILL SAVE YOU TIME.

WHAT IS WRONG WITH THE STOVE?____________________________________________
____________________________________________________________________________
MODEL_____________________________SERIAL NUMBER____________________________
HOW IS IT INSTALLED? (VERTICAL OR HORIZONTAL)_______________________________
HOW MANY VERTICAL FEET OF VENT?_________HORIZONTAL?________________
HOW MANY ELBOWS ARE IN THE VENT SYSTEM?________________________________
WHAT SIZE IS THE EXHAUST PIPE? (3", 4", 6", OR OTHER)___________________________
WHAT IS THE ELEVATION OF THE HOME?_________________________________________
WHAT IS THE FEED ADJUSTMENT PLATE SET AT?__________________________________
IS THE FEED SYSTEM OPERATING?_____________________________________________
IS THERE POWER TO THE STOVE?______________________________________________
IS THERE FUEL IN THE HOPPER?_______________________________________________
WILL THE THERMOSTAT CALL LIGHT COME ON?___________________________________
IS THE IGNITER WORKING?______IS THE EXHAUST BLOWER WORKING?_______________
ARE YOU REACHING THE FIRST STAGE OF IGNITION (GREEN LIGHT)?______________
ARE YOU REACHING THE SECOND STAGE OF IGNITION (RED LIGHT)?_______________
IS THE CONVECTION BLOWER WORKING?________________________________________
IS THERE AN OUTSIDE AIR KIT INSTALLED?_____________________________________
IS THE VENT SYSTEM CLEAN?__________________________________________________
IS THE HOPPER FREE OF SAWDUST BUILD UP?____________________________________
IS THE FIREPOT CLEAN?_______________________________________________________

CUSTOMER SERVICE DEPARTMENT: PHONE--#800-926-4356
CLEANING & MAINTENANCE TIPS

CAUTION: REMEMBER TO UNPLUG THE STOVE BEFORE PERFORMING ANY CLEANING OR MAINTENANCE ON THE STOVE.

<table>
<thead>
<tr>
<th>Cleaning or Inspection</th>
<th>Frequency</th>
<th>Daily</th>
<th>Weekly</th>
<th>Monthly</th>
<th>Yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ash Drawer</td>
<td>Every 5 bags of fuel</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ash Removal from Firebox</td>
<td>Every 5 bags of fuel or more frequently depending on ash build-up</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Blower, Exhaust</td>
<td>More frequently depending on the fuel type</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Blower, Convection</td>
<td>Every 25 bags or more frequently depending on operating environment</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Door Handle &amp; Gasket Inspection</td>
<td>Prior to heating season</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Exhaust Path, Drop Tube and Behind Baffles</td>
<td>Every 25 bags or more frequently depending on ash build-up</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Firepot Cleaning Rod</td>
<td>Every 1 bag of fuel</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Firepot with Clean-out Tool</td>
<td>Every 5 bags of fuel</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Firebox - Prepare for Non-Burn Season</td>
<td>At end of heating season</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Glass</td>
<td>When clear view of firepot becomes obscure</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Hopper</td>
<td>Every 50 bags of fuel</td>
<td>OR</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Top Vent Adapter</td>
<td>More frequently depending on ash build-up</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Venting System</td>
<td>Every 3 tons or more frequently depending on the fuel type</td>
<td>OR</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

NOTICE: These are recommendations. Clean more frequently if you encounter heavy build-up of ash at the recommended interval or you see soot coming from the vent. *Not properly cleaning your appliance on a regular basis will void your warranty.*
CLEANING & MAINTENANCE TIPS

FIREPOT:
THE FIREPOT NEEDS TO BE CLEANED AS NEEDED. THE BUILD-UP OF CLINKER MATERIAL WILL DEPEND ON THE QUALITY OF THE FUEL BEING USED. IN SOME CASES, IT MAY BE NECESSARY TO CLEAN THE FIREPOT ON A DAILY BASIS. FIREPOT CLEANING INVOLVES SIMPLY PULLING THE CLEANOUT ROD ON THE RIGHT SIDE OF THE STOVE. IF THE ROD IS HARD TO PULL, IT MAY BE NECESSARY TO USE THE SCRAPER OR SCREW DRIVER TO CHIP AWAY THE CARBON MATERIAL THAT HAS BUILT UP ON THE BOTTOM PLATE OF THE FIREPOT. ONCE THE DEBRIS IS CHIPPED AWAY, THE ROD WILL BE EASY TO PULL.

FIREBOX ASH:
THE FIREBOX ASH SHOULD BE REMOVED AT THE SAME TIME THAT THE FIREPOT IS CLEANED. FREQUENT CLEANING OF THE ASH IN THE FIREBOX WILL HELP SLOW DOWN THE BUILD-UP OF ASH IN THE EXHAUST BLOWER AND VENT SYSTEM. REMEMBER TO DEPOSIT ASHES IN A NONCOMBUSTIBLE CONTAINER.

VENT / CHIMNEY SYSTEM:
THIS NEEDS TO BE CLEANED AND INSPECTED AT LEAST ONCE A YEAR. IT MAY BE NECESSARY TO PERFORM MORE FREQUENT CLEANING IF THERE IS A LOT OF HORIZONTAL PIPE SECTIONS. ASH WILL BUILD UP MORE QUICKLY IN THE HORIZONTAL SECTIONS.

BLOWERS:
THE BLOWERS MAY ONLY NEED TO BE CLEANED ONCE A YEAR. IF THE USE OF THE STOVE IS HEAVY, THEN IT MAY NEED TO BE DONE MORE FREQUENTLY. IF THE BLOWER IS GETTING NOISY, THEN THE FAN BLADES WILL NEED TO BE CLEANED.