

**PLEASE READ THE ENTIRE INSTRUCTION BEFORE ATTEMPTING SERVICE OR REPAIR.**

**WARNING - ELECTRIC SHOCK POTENTIAL. All repairs must be accomplished with the 115VAC and 12 DC power disconnected from heater.**

### GENERAL INFORMATION

Annual heater service is required to maintain EasyFire Pellet Heaters safe and efficient operation. This check list is a guide and should be used as a tool in inspection in conjunction with the manuals and local fire safety and building codes. Some check items refer to older or newer models and may not apply. For further reference review EasyFire installation manual, repair manuals, and service update information.

### Pellet Vent System

Outside: Confirm proper vent system configuration. Note smoke around outlet to indicate proper combustion. Remove cap for cleaning. Remove clean out tee cover and brush vent system with 3" or 4" brush.

Inside: Remove heater from vent system to inspect outlet and horizontal vent components for ash build up and leakage around connections. Brush and vacuum all vent areas paying special attention to long horizontal runs.

\*\*\* If vent system has heavy black build up confirm proper combustion fan, door and gasket adjustment, and ash dump.

Continue unit service prior to reconnecting to vent system.

### Unit Service-Door, Ash Dump, Igniter

Door service is critical for proper operation. Oil door handle and hinge points so it moves easily. Confirm the collars and set screws are tight. Confirm the door swings properly and is square to the firebox front. Loosen hinge from inside left with 7/16" wrench and adjust hinge to straighten. Move striker pawl in to latch door against gasket. Check gasket contact with "dollar" bill. When door is closed bill should not pull out easily.

Ash dumps can have pellets lodge under the plate allowing a gap between the plate and firebox. Pulling down on the plate and moving side to side may dislodge. If not you can remove plate by pulling 1/8" cotter keys, springs, and flat washers. Remove plate by sliding down and tipping forward to clear studs. Later models with ash clean out under burn tray should remove tray and vacuum before attempting to remove ash dump plate. Re-assemble plate and confirm it closes tight to the bottom of firebox.

\*\*\* Loose or improperly adjusted doors and ash dumps account for large air combustion air leaks. This is a primary cause of build up in the burn tray.

Clean burn tray and check igniter for excessive warping or pitting. Replace if required.

### Feed & Hopper System

Hopper should be clean out and dust removed. Check silicone caulking in bottom seams. Re-caulk if necessary. Check hopper lid for proper operation and closure. Check hopper safety switch adjustment (if equipped) to confirm open hopper does not feed. Hopper begins feed at approx 3/8" lid to close. Note gasket around hopper lid should be replaced if damaged or torn.

\*\*\* Mandatory Update \*\*\* B Model Feed Systems Require a Service Update - New gasket, sealer, and lock nuts. These parts are available in factory kit.

Remove back to heater and inspect feed motor, mounting, and gasket. If saw dust is leaking from motor or hopper repair and re-caulk prior to further operation. Reference feed system repair section of manual if further action is required.

### Combustion Fan & Exchange System

Check fan motor brushes for wear after the first season. Then depending use annually. Run motor and confirm bearings are not loose or worn. Replace brushes or motor as required. Not housing gasket and check for leaks (note black mark). Seal with high temperature silicone if required.

Check horizontal outlet for ash build up. Brush and vacuum as required. Remove heat exchange covers inside front of unit to confirm they are being cleaned. Vacuum ash out of firebox.

Check T-1 and T-2 sensors for damage and proper mounting. Clean dust and use dielectric compound for harness connects per service instruction.

Vacuum dust in back of heater and on fan blade. Confirm operation fan and sensor operation prior to re-assembly of rear cover. Connect unit to vent system and seal connection with silicone.

### Test Fire and Fan Adjustment

Check and clean battery connections. Plug battery in and confirm control light. Plug in AC cord. Attach thermostat if installed and confirm proper manual operation.

Add fuel and prime feed system. Check switch and or push button for operation. Start unit and confirm complete start. Verify fan speed adjustments per manual. Confirm 20 minute run with sharp active flame. Refer to manual for further adjustments if required. *Customer Service & Replacement Parts are available on-line @ [www.sierraproductsinc.net](http://www.sierraproductsinc.net) or call:*

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