



Juniata

ANTHRACITE COAL STOVE
RSFD-10



OWNER'S MANUAL



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***Registration information must be on file for the warranty to be valid.
Please mail form within thirty (30) days from the date of purchase.***

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Contact Us

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Section 1: Caution and Safety Notice

The Juniata RSFD-10 Coal Stove must be installed in accordance with these instructions and must comply with local building and fire codes to ensure restrictions, installation requirements and area inspections are addressed. Failure to do so could result in a chimney or house fire. Your dealer will be able to install your stove or recommend a licensed contractor. The dealer can also help you locate the best location to install the unit which must be installed on an approved non-combustible floor.

Reading Stove Company stoves are NOT approved for use in manufactured homes.

The Juniata is equipped with a 455 CFM Blower. The Convection Blower plugs into the Fan Limit Switch located at the bottom rear of the stove. The Fan Limit Switch Box should be plugged directly into a wall outlet. The Fan Limit Switch will control the operation of the Convection Blower. When the air chamber reaches a set temperature the Convection Blower will turn on and force the heated air into the home. As the air flows through the chamber, its temperature will decrease and the Convection Blower will turn off when the air cools to a second set temperature. The Fan Limit Switch temperature settings are adjustable and may be changed as needed.

The Convection Blower may be operated on manual setting by depressing the white button at the side of the stove. On manual setting, the Convection Blower will run constantly.

Each stove is supplied with a safety diagram listing approved installation clearances and dimensions. Install to these guidelines only. If the diagram is unreadable or missing, contact the manufacturer for proper specifications.

A **BAROMETRIC DAMPER** must always be installed properly in conjunction with a stoker stove. Dampers are available through dealers or plumbing/heating distributors. **NO COAL STOVE SHOULD BE OPERATED WITHOUT A BAROMETRIC DAMPER.**

In buildings of unusually tight construction, provide a fresh air vent to ensure sufficient combustion air is available.

Read these instructions completely before installing your stove and save this manual for future reference.

CAUTION: Before lighting your stove, be sure to install a carbon monoxide detector. One is provided with your stove and must be installed and maintained according to the manufacturer's recommendations.

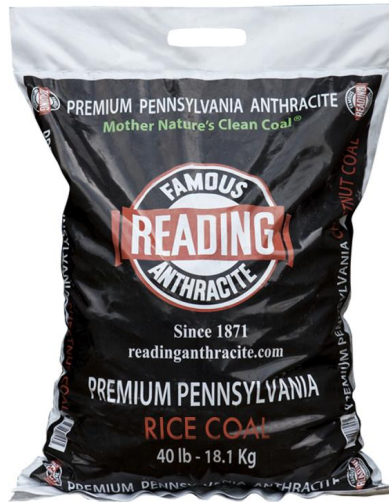
CAUTION: HOT WHILE IN OPERATION. KEEP CHILDREN, FURNITURE, FIXTURES, AND ALL COMBUSTIBLE MATERIALS AWAY FROM ANY HEATING APPLIANCE. CONTACT MAY CAUSE SKIN BURNS

CAUTION: DO NOT USE CHEMICALS OR FLAMMABLE FLUIDS TO START THE FIRE

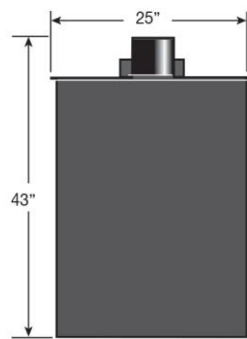
CAUTION: DO NOT BURN GARBAGE



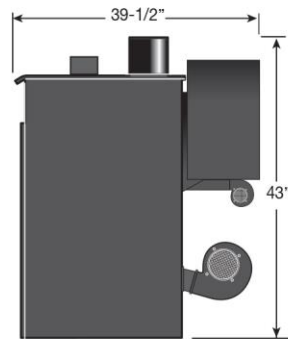
FUEL: Premium Reading Anthracite Company Rice Coal. Contact your dealer or coal supplier for proper selection. THIS STOVE IS APPROVED TO BURN ANTHRACITE COAL ONLY.



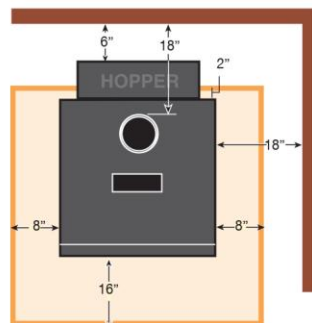
Section 2: Clearance and Dimensions



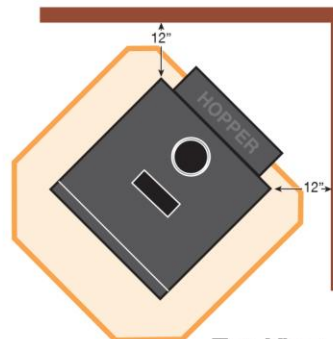
Front View



Side View



Top View



Top View



Section 3: Flue System/Direct Vent/Power Vent

This stove is designed to connect to a flue system such as masonry or a pre-manufactured lined pipe system that meets local code requirements. If you plan to use an existing masonry chimney, the inside should be checked for cracks in the liner. If there is no liner in the chimney, we recommend installing a stainless steel liner. If you already have a steel liner, it should be carefully checked for buckling, warping, or cracks prior to installation. With either type system, it is absolutely necessary to clean it prior to installation of this stove. A qualified chimney sweep can clean and inspect your system, and in a lot of cases find problems the homeowner might overlook. The sweep can normally do chimney repairs or recommend a qualified person to do so.

WARNING: DO NOT connect this stove to a flue system serving another heating appliance. Also, stoker stoves must always be installed with a **BAROMETRIC DAMPER**. A damper is available from your dealer.

A: REQUIRED FLUE SIZE

NOTE: If power vented, refer to Power Vent section (Section 3B).

The proper flue size is determined by the inside diameter of the flue collar on the unit. This stove is equipped with a six (6) inch flue collar. This stove would require a six (6) inch pipe; smaller diameter pipe should never be used. The area of the chimney liner should be greater than the area of the flue collar on the stove, but never more than three times greater. Example: The area of a six (6) inch flue collar is 28.27 square inches; therefore, the area of the flue liner should not be more than 84.2 square inches.

CAUTION: The connector pipe should be a 24-gauge steel pipe and must be eighteen (18) inches away from a combustible wall or ceiling. If you are using double wall or shielded pipe the clearance can be reduced to six (6) inches. Please follow the pipe manufacturer's instructions for passing through combustible walls and ceilings. Check your local codes prior to installation.

B: POWER VENT NOTE: FIELD CONTROL POWER VENT WILL BE REFERRED TO AS PV

(For stoves equipped with Power Vent option only)

Refer to the *Field Controls Power Vent Owner's Manual* for proper installation. Installation instructions can also be reviewed at www.fieldcontrols.com. Reading Stove Company recommends that consumers check local building codes before purchasing and installing any PV. An approved Safety Switch must be installed on the stove before operating the stove.

List of parts and accessories included in PV supplied from Reading Stove Company: (For replacement of original equipment)

- Power Vent—Model SWG—4HDS
- Six (6) inch to a four (4) inch pipe reducer
- Safety Switch with plugs
- Speed Control



IMPORTANT POWER VENT INFORMATION AND GENERAL INSTRUCTIONS:

- PV speed controls should always be run at 1/3 to full speed depending on the length of time and distance the stove has been running between maintenance cleanings. New or recently cleaned stoves, the speed control can be set at a slower speed. Continual operation of the stove will cause a buildup of fly ash in the internal flue, stovepipe and the PV blower wheel. Increase the PV speed control as needed from 1/3 to full speed. Make sure the Barometric Damper is slightly open at all times with or without a speed control. **Maintenance is critical.**
- **BAROMETRIC DAMPERS** must be installed. The internal damper located inside the PV should be wide open or removed completely. The long silver tube attached to the PV should be removed and is not needed for using a PV in an Anthracite Stoker Coal Stove application. Failure to use a **BAROMETRIC DAMPER** will cause the coal fire to burn into the feeder hopper resulting in damage and or personal injury.
- Six (6) inch extensions are available to extend through the wall if it is thicker than normal construction.
- How to reset a Safety Switch: Unplug the PEL-TROL AC Plug from electrical outlets. Clean the stove completely. See below for details. More than likely the Safety Switch cut power because of buildup of gases and heat. The Safety Switch is located on the right side of the stove. Use a very small screwdriver and insert in the Safety Switch to reset the circuit button. If the switch will not reset, remove the cover and do manually.
- Almost all calls questioning why a Safety Switch tripped is a result of the stove needing to be cleaned.

NOTE: LACK OF MAINTENANCE WILL CAUSE THE POWER VENT TO SHUT DOWN, DAMAGE MOTORS AND VOID THE WARRANTY.

C: POWER VENT MAINTENANCE: Reading Stove Company recommends the use of an approved Field Controls Power Vent/Safety Switch for stoker stoves when exhaust chimney or insulated pipe is not a viable option. Proper **4-6 week maintenance** during the heating season is required in order to keep the stove operational. Disassembly and maintenance must be performed throughout the general heating season. Failure to properly clean and maintain a Power Vent will cause the stove to shut down and continue to shut down until properly cleaned. If your carbon monoxide detector is going off or you smell sulfur or other gases, more than likely the stove is dirty and needs to be cleaned. The top of stove exhaust and internal flues need to be cleaned.

1. Between every 4-6 weeks the stove needs to be shut down and properly cleaned. Remove the outside cover of the Power Vent, remove screws holding in the motor and pull it out of the Power Vent. The stainless steel blower wheel needs to be cleaned with a wire brush. The easiest way to clean is to remove the blower wheel from the motor (1/8" Allen Wrench required) completely and soak the blower wheel in hot water and baking soda. Wash and scrub as needed. This method will remove all fly ash. Clean inside Power Vent.



2. See Field Controls Operational Manual for proper lubrication of the Power Vent Motor.
3. When shutting the stove down for Power Vent Maintenance, you must clean internal flues and all connections.

D: DIRECT VENT

(For stoves equipped with Direct Vent option only)

NOTE: Barometric Damper is included in the Direct Vent unit.

NOTE: There are horizontal and vertical locations for counter weight placement. Counter weight should be positioned at proper location for horizontal and vertical installation.

SYSTEM DESCRIPTION -

This appliance is equipped with a mechanical venting system to exhaust the combustion products outside. An exhaust blower (vent motor), draft control (barometric damper), and a safety switch (fume switch) which work together to allow safe operation of the appliance instead of a conventional chimney. Continued safe operation requires proper installation and maintenance according to these instructions.

CAUTION: Do not operate your stove until an approved venting system to the outside has been installed and inspected.

COMPONENT DESCRIPTION -

Direct Vent: The Direct Vent motor plugs into an outlet.

Fume Switch: The fume switch connects to the plug on the PEL-TROL. In the event that draft is lost, the fume switch will trip. This will interrupt fuel supply to the stove. The fume switch is to be manually reset after the cause of the trip has been determined and repaired.

Draft Control: The draft control regulates the draft condition and prevents excessive draft.

WARNING: Do not defeat or tamper with Fume Switch circuit. Do not defeat the free operation of the Draft Control door.

SETUP AND ADJUSTMENT -

The amount of draft is not controlled and is limited by the counterweight setting of the Draft Control. Before lighting a fire in the stove, initially adjust the draft system.

1. Set counterweight on draft control damper to position for 0.04 inches H₂O. Refer to Field Controls "Barometric Draft Controls" Model RC instructions.



- 2. Turn on the power. Vent motor will turn on and the draft control door will open widely.

Final adjustment of draft system:

- 3. Light stove. While fire is at maximum readjust Direct Vent value to within 1/2" of fully closed.

OPERATION -

ATTENTION: Always have a working Carbon Monoxide alarm to alert you to unsafe levels of dangerous carbon monoxide.

Once setup and adjusted, no further adjustment is necessary. The vent motor operates at all times the stove is on.

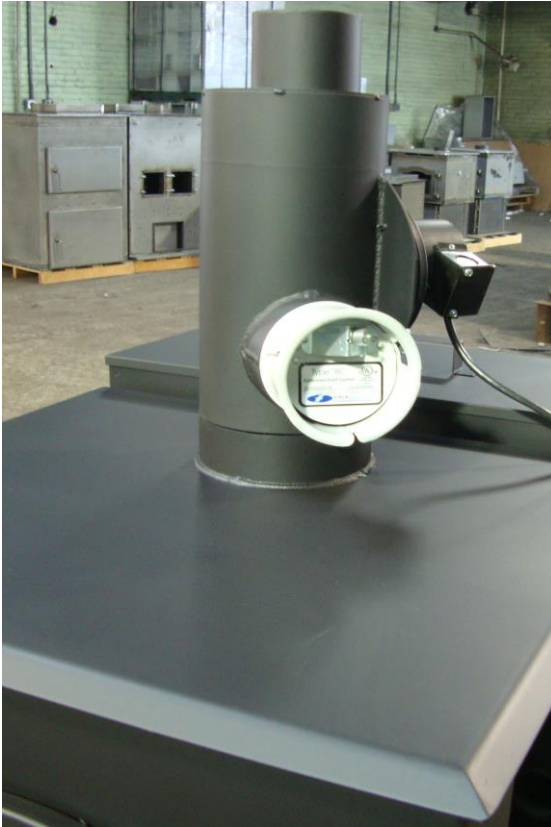
MAINTENANCE -

Monthly: Visually check that vent system pipe interior is free of ash accumulation.
 Ensure Vent motor vents are free of dust or obstruction.
 Ensure that Draft Control door operates freely.

TROUBLESHOOTING –

Symptom	Cause and Remedy
Fire is out. All motors are off.	1. Turn off Pel-trol. 2. Check for blocked or plugged stove and vent piping. 3. Test Vent motor from separate power source. 4. Reset Fume Switch. 5. Turn on Pel-trol and verify operation and free operation of Draft Control door.
Draft Door is wide open. Vent motor is at full speed.	1. Adjust Barometric Damper
Sulfur Smell or CO Detector Alert	1. Shutdown application and ensure that vent system is free of ash or obstruction. 2. Perform Setup and Adjustment procedure.
Draft Door is closed. Draft Inducer Fan is operating properly	1. Shutdown appliance and ensure that vent system is free of ash or obstruction. 2. Perform Setup and Adjustment procedure. 3. Is length of vent piping more than allowed?

Top Vent



Bottom Vent



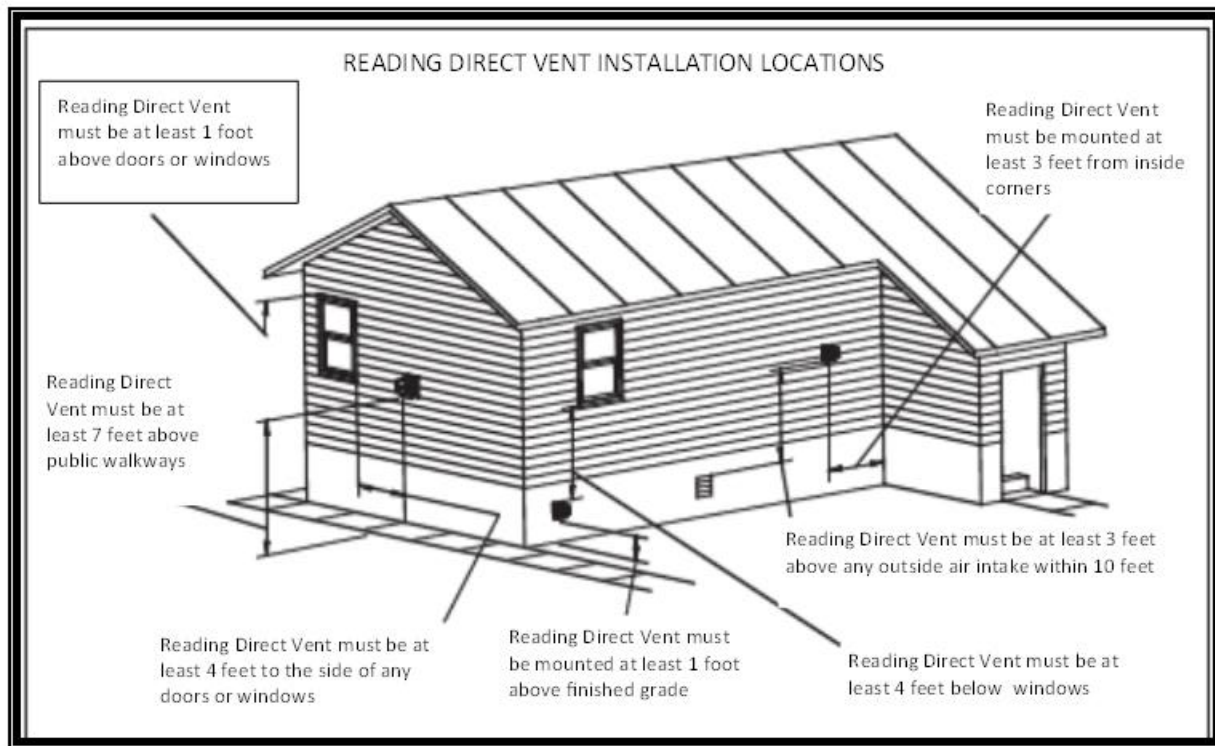
BACK VIEW OF JUNIATA



SIDE VIEW OF JUNIATA



DIRECT VENT INSTALLATION LOCATIONS



Location of the termination of venting systems should be installed in accordance with the National Solid Fuel UL Code 1482, manufacturer's recommendations and/or local codes which are applicable. See requirements below or refer to installation location, Diagram A, for typical locations.

- A. The exit termination of mechanical draft system shall not be less than seven (7) feet above grade when located adjacent to public walkways.
- B. A venting system shall terminate at least three (3) feet above any forced air inlet located within ten (10) feet.
- C. The venting system of other than a direct vent appliance shall terminate at least four (4) feet below, four (4) feet horizontally from one (1) foot above any door, window or gravity air inlet into the building.
- D. The vent termination of a direct vent appliance with an input of 50,000 BTU's per hour or less shall be located at least nine (9) inches from any opening through which vented gases could enter the building. With an input over 50,000 BTU's per hour, a twelve (12) inch termination clearance shall be required.
- E. The vent termination point shall not be installed closer than three (3) feet from an inside corner of an L-shaped structure.



- F. The vent termination should not be mounted directly above, or within three (3) feet horizontally from an oil tank vent or gas meter.
- G. The bottom of the vent terminal shall be located at least twelve (12) feet above finished grade.

Section 4: Floor and Wall Protection

Position your stove on an approved non-combustible floor protector. If the base floor is constructed of combustible material such as hardwood, carpet, or linoleum, floor protection **MUST** be placed between the unit and the combustible material. Consult your dealer and/or local building inspector.

Minimum clearance to walls **MUST** be maintained (See Section 2: Clearance and Dimensions also shown on the safety plate affixed to the stove). Approved fire resistant wallboard is highly recommended.

The parts or materials to be employed for the floor protector including the minimum areas to be covered and their relationship to the product. At least the following areas shall be specified.

1. Under the product
2. Sixteen (16) inches (450 mm Canada) beyond the front and eight (8) inches (200 mm) beyond each side of the fuel loading and ash removal opening(s).
 - A. Under the chimney connector and two (2) inches (50 mm) beyond each side. The k, C, or R factor that correlates with the floor protector materials used during the test if the room heater is not provided with a floor protector. The units of measure for the k, C, or R factors shall use the same applicable units. Directions and examples on how to use alternate materials and how to calculate equivalent thickness shall be shown.
 - B. Convert specification to R-value:
 - i. R-value is given-no conversion is needed
 - ii. k-factor is given with a required thickness (T) in inches: $R=1/k \times T$
 - iii. C-factor is given: $R=1/C$
 - C. Determine the R-value of the proposed alternate floor protector.
 - i. Use for formula in step (1) to convert values not expressed as R
 - ii. For multiple layers, add R-values of each layer to determine the overall R-value.
 - D. If the overall R-value of the system is greater than the R-value of the specified floor protector, the alternate is acceptable.



EXAMPLE: The specified floor protector should be 3/4 inch thick material with a k-factor of 0.84. The proposed alternate is 4” brick with a C-factor of 1.25 over 1/8” mineral board with a k-factor of 0.29.

Step A: Use formula above to convert specification to R-value.

$$R=1/k \times T = 1/0.84 \times .75 = 0.893$$

Step B. Calculate R of proposed system

$$4” \text{ brick of } C = 1.25, \text{ therefore } R_{\text{brick}} = 1/C = 1/1.25 = 0.80$$

$$1/8” \text{ mineral board of } k=0.29, \text{ therefore } R_{\text{min.bd.}} = 1/0.29 \times 0.125=0.431$$

$$\text{Total } R=R_{\text{brick}} + R_{\text{mineral board}} = 0.8 + 0.431 = 1.231$$

Step C: Compare proposed system R of 1.231 to specified R of 0.893. Since proposed system R is greater than required, the system is acceptable.

Definitions:

$$\text{Thermal conductance} = C = \frac{\text{Btu}}{(\text{hr.}) (\text{ft}^2) (^\circ\text{F})} = \frac{\text{W}}{(\text{m}^2)(^\circ\text{K})}$$

$$\text{Thermal conductivity} = k = \frac{(\text{Btu}) (\text{inch})}{(\text{hr.}) (\text{ft}^2) (^\circ\text{F})} = \frac{\text{W}}{(\text{m}) (^\circ\text{K})} = \frac{\text{Btu}}{(\text{hr.}) (\text{ft.}) (^\circ\text{F})}$$

$$\text{Thermal resistance} = R = \frac{(\text{ft}^2) (\text{hr.}) (^\circ\text{F})}{\text{Btu}} = \frac{(\text{m}^2) (^\circ\text{K})}{\text{W}}$$

The methods and parts to be employed for installing the room heater at reduced clearances (i.e. optional shields, etc.)

If an insulated floor protector is required, the instruction must state the minimum R value and the requirement to use a UL 1618 listed protector

CAUTION:

- Do not install this stove in closets or alcoves.
- Keep combustibles at least three feet from the stove. This includes furniture, magazines, rugs, clothing, etc.
- Do not dry clothes on, or within, three feet of the stove.
- Do not store flammable liquids in the same room as the stove



Section 5: Installation and Placement

A: PRIOR TO INSTALLATION

READ THIS OWNER'S MANUAL IN ITS ENTIRETY.

B: CHOOSE A LOCATION

A central location is most desirable; however, the minimum run of pipe to the chimney should be the deciding factor. Never attempt to handle the unit alone. We recommend using a handcart to position the heater.

C: CHIMNEY CONNECTOR

The connector pipe connects the heater to the chimney. The pipe must be a 6" diameter 24-gauge steel pipe. Connect your stove to an approved flue system serving only one appliance (please refer to local building code.)

CAUTION: All pipe joints and the connection to the heater collar must be firmly secured.

D: BAROMETRIC DAMPER

A **BAROMETRIC DAMPER** must always be installed properly in conjunction with a stoker stove. Dampers are available through dealers or plumbing/heating distributors.

Section 6: Operating Instructions

A: TYPE OF FUEL

CAUTION: Use only Premium Reading Anthracite Rice. Contact your dealer or coal supplier for proper selection.

B: STARTING AN ANTHRACITE COAL FIRE

1. Fill the hopper with Premium Reading Anthracite Rice Coal.
2. Looking at the grate you will notice that some coal has been deposited on the grate. Place an ample amount of additional coal on the grate by hand or by moving the Carpet back a forth a few times. Place the fire starter near the very top of the grate where the holes begin, grind the fire starter into the bed of coal as best as possible and surround with additional coal. GELLED FIRE STARTER can also be used on the fire starter bag to help with ignition.
3. Light the fire starter bag. Never hold the bag or any other fire starter in your hand.
4. As soon as the fire starter is ignited, plug the Combustion Blower into a wall socket. The Blower will begin to feed combustible air through the grate. Within 10 minutes, the bed of coal surrounding the fire



starter will reach ignition temperature and the fire will begin spreading across the grate. At this point, plug the stoker cord into the thermostat box and combustible coal will begin to feed onto the grate.

5. **DIRECT/POWER VENT**, turn the vent on immediately after lighting the fire starter, wait the 30 seconds and plug in the stoker cord. **DO NOT OPERATE THE STOVE WITH THE ASH DOOR OPEN AT ANY TIME.**
6. If the stove fails to light or the fire slides off the grate repeat procedure.
7. Two (2) to three (3) inches of dead ash on the end of the grate is optimal for stove efficiency. The actual size of the dead ash can vary depending on how the stove is adjusted. **SEE BELOW FOR ADDITIONAL DETAILS.**
8. When your stove has been lit for about an hour, check the position of the hot coal on the grate. Because the burning characteristics of coal vary, the feed must be fine-tuned for efficient operation.
9. Allow two (2) inch of dead ash on the end of the grate for a high fire.
10. Allow three (3) to four (4) inch of dead ash for a low heat fire.

C: TEMPERATURE CONTROL AND FIRE ADJUSTING

Reading Stove Company recommends using an approved thermostat to regulate the stoves operation and heat output. An approved thermostat will provide the most comfortable and efficient way to operate a coal stove. Refer to the individual operational manuals for Pel-trol or Reading Stove Company Thermostat for operational instructions. No adjustment is required of the feed adjustment tab when using a thermostat.

NOTE: Various qualities of anthracite coal have different burn characteristics. Therefore, you may have to change the adjustment to suit the coal purchased.

CAUTION: Over-firing the heater may cause a house fire. If the stove or chimney connector glows, you are over-firing!

Manual adjustment, if not using a Thermostat System

1. Plug the stoker cords from the AC Motor Power Pack and Combustion Blower directly into the wall socket. **DO NOT USE ANY SPEED CONTROL**
2. Light the stove.
3. If the fire patch is small and to the rear of the grate the stove will operate at a lower temperature which may be fine for some applications and heating needs but too low for others. If more heat is needed turn the **RED FEED ADJUSTMENT TAB** two turns away from the stove clockwise. Wait 15 minutes and notice that the fire patch has become larger and moved forward towards the end of the grate. Note the increase in the temperature of the stove surface and the temperature of the air blowing out of the stove. An additional adjustment of the **RED FEED ADJUSTMENT TAB** maybe necessary to increase the size of the fire patch. Turn tab one or two additional times and monitor the position of the fire on the grate.
4. If hot coal falls off the grate before being completely burnt through, turn the **RED FEED ADJUSTMENT TAB** towards the stove once to reduce the rate of feed. The stove will operate most efficiently with two-three inches of dead ash at the end of the grate. Additional adjustments may be necessary. Actual size of the dead ash can vary depending on the needs of the consumer for heat.



NOTE: THE RED FEED ADJUSTMENT TAB IS A FINE THREAD AND ONE-TWO TURNS IN EITHER DIRECTION

5. After several hours of run time the stove will no longer require any adjustment. As the burning coal moves down the grate and burns, it will be replaced by coal from the hopper, thus maintaining an endless fire. Making Manual Adjustments periodically throughout the heating season may be required due to outside temperature. The underlining principal is the larger the fire the more heat. If the area becomes too warm then adjusting the size of the fire patch will reduce the temperature
6. **DO NOT TURN OFF THE CONVECTION FORCED HOT AIR BLOWER WHEN OPERATING A STOVE IN MANUAL MODE. IF THE AREA IS TOO HOT REDUCE THE SIZE OF THE FIRE. TURNING OFF THE CONVECTION BLOWER COULD CAUSE DAMAGE TO THE STOVE AND VOID WARRANTY.**

D: BURN TIME

How long can a coal stove run on a full hopper of coal? The length of time a coal stove can burn unattended will vary. Burning 60 to 80 pounds per day in the middle of the heating season is quite possible. Early fall or late spring, you'll burn less. A Pel-trol Thermostat will give you the most efficient, even heating and give you the longest burn time. Manual Adjustment control of the stove works best when the stove will operate at a high temperature continuously. What Reading Stove Company considers maximum feed, 80 to 120 plus pounds per day is possible. Outside air temperature, the energy rating of the structure, and actual square footage are just a few elements need to be considered when trying to determine burn time.

E. ASH CONTROL AND REMOVAL

Check the ash pan daily and empty as needed. Do not allow ashes to pile up in the base of the heater or overflow the ash pan.

Disposal of Ashes: Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid or similar liquids to start or "freshen up" a fire in this heater. Keep all such liquids well away from the heater while it is in use.

CAUTION: Always use insulated gloves to remove the ash pan.

If too many ashes are allowed to accumulate, the vent to the chimney may become blocked and allow coal gas to enter the home. A spare ash pan is recommended to facilitate ease of ash removal. See your Dealer regarding this option.

NOTE: Fueling and ash removal doors must remain closed when in operation.



Section 7: Proper Draft

A: PROPER DRAFT

A draft of -.04 to -.06 inches of water column is essential for safe and efficient operation of your stove. (See your dealer for proper draft)

Draft is created in a chimney by warm air exiting the stove and rising in the cooler air of the chimney. (Suction up the chimney) Maintain adequate draft of warm air exiting the stove at all times.

Chimney draft will increase or decrease depending upon wind speed and air temperatures along with other factors such as:

1. Air leak in stove or chimney. (Cleanout doors commonly used at the bottom of chimneys must not leak.)
2. Stove door gaskets are faulty or doors are not closed tightly.
3. Stovepipe, stovepipe outlet, or chimney partially or fully blocked.
4. Chimney temperature is not hot enough.
5. Chimney is not high enough.
6. Trees, buildings, or other obstructions too close to the top of the chimney.
7. Chimney flue is too large.
8. Vented exhaust fans as found in kitchens, bathrooms, and clothes dryers when running in a tight building can cause low draft and in some severe cases downdraft. This will cause air to pull down the chimney instead of allowing it to go up.
Max BTU Output: 85,000 BTU/HR

CAUTION: Some of the above conditions can also cause downdrafts. An indication that a downdraft is occurring will be the smell of sulfur (rotten eggs). This may also cause the blower wheel on the stoker unit to melt. If any one of these conditions occurs, **DO NOT OPERATE THE STOVE** until the problem has been corrected.

B: EXCESSIVE DRAFT

CAUTION: Use only a barometric draft regulator, not a manually operated damper. Excessive draft can cause the fire to burn back into the hopper. To prevent excessive draft, a **BAROMETRIC DAMPER MUST BE PROPERLY INSTALLED.**

Section 8: Maintenance and Care

A: CHIMNEY INSPECTION AND CLEANING

The chimney and stove should be inspected for fly-ash buildup monthly during the heating season. There are two areas that need special attention. The top or bottom of the stove where the internal exhaust flue exits the stove is a common area where fly ash can accumulate during the heating season. RSC recommends that you purchase a



stove brush to clean the exhaust flues and a shop vacuum. If your stove is installed with a 90-degree elbow the exhaust pipe running horizontal can become a choke point for fly ASH to accumulate. This is another area that will need to be cleaned. Remove all fly ash from the stove, stovepipe and chimney for maximum efficiency and safety. Fly ash can also build up under the stoker grate causing an uneven burn or unburned coal to be dropped in the ash bucket. **4-6 weeks maintenance is recommended.**

B: SUMMER STORAGE

Store the stove in a dry place to prevent rust if possible. If the area where the stove is installed tends to be damp during the summer its best to remove the doors and all stovepipes in order for the stove to have some airflow. Remove all ashes, loose FLY ASH and clean the inside of the stove walls with a wire brush and a vacuum. Coating the inside of the stove with baking soda will help in absorbing moisture and neutralizing acidic reaction to dampness. All coal needs to be removed from the hopper at the end of the heating season. Stovepipe can be simply washed with hot soapy water and a rag, rinsed with cold water and left outside in the sun to dry. If the pipe is burned or rotted through disregard pipe and purchase new pipe from your dealer. Not disconnecting the stovepipe can result in stovepipe becoming corrosive and rusting through prematurely. High temp flat black paint can be used to touch up the stove or stovepipe. RSC recommends stoves to be cleaned and maintained at the end of season making sure the stove is ready for the next heating season. **MOISTURE CAN ROT A COAL STOVE SEVERLY IN JUST ONE SUMMER OFF-SEASON. IT'S IMPORTANT TO CLEAN AND KEEP THE STOVE DRY AND OUT OF DAMPNESS AS MUCH AS POSSIBLE DURING THE SUMMER OFF-SEASON. CORROSIVE DAMAGE TO THE STOVE IS NOT COVERED UNDER WARRANTY.**

C: FLUE INSPECTION

Each year before putting the stove into service, the chimney flue should be cleaned of soot and other residue and inspected for needed repairs. This inspection is in addition to the bi-monthly inspections during the heating season. Consult a qualified dealer or chimney sweep. Reconnect all piping prior to startup. Inspect pipe for failures.

D: STOKER MAINTENANCE

During the heating season Reading Stove Company recommends the Air Chamber under the stoker grate be cleaned at least once every 6-8 weeks and at the end of the heating season.

There are two ways to clean fly ASH from under the grate:

1. Lift grate off of stoker frame when stove is cold.
Vacuum/remove fly ash from air chamber under grate.
2. Inspect air holes in grate. If blocked, clear with no larger than 1/8 drill bit or equivalent.
Reseat the grate onto the stoker frame, making sure that the grooves on the underside of the grate match with the lip of the stoker frame.

NOTE: Prior to reseating the grate, a new grate gasket **MUST** be installed.



When the stove is operating, it is possible to clean FLY ASH from under the grate but the consumer must use caution due to the fact that some FLY ASH may be hot.

1. Remove Cap Nut from the Crank Arm and pull the Carpet Back.
2. Remove Carriage Bolt and Wing Nut.
3. Unplug the AC Power Pack and remove
4. Use a shop vacuum at the entrance of the draft tunnel and remove FLY ASH.
5. Re-assemble and turn stove back on.

E. BLOWER ASSEMBLY: Convection blowers require yearly maintenance. Refer to the Manufacturers Owner's Manual for proper maintenance and the use of proper lubricating oil. FAILURE TO MAINTAIN CONVECTION BLOWERS WILL CAUSE MOTORS TO FAIL

NOTE: This registration information must be on file with Reading Stove Company for this warranty to be valid. **Failure to file a Warranty Registration Form** within thirty (30) days from the date of purchase will void the warranty.

NOTE: Reading Stove Company's stoves are sold only through certified dealers. Please consult your local dealer for all service or maintenance questions.

Section 9: Warranty Information

The manufacturer extends the following warranties to the original owner from the date of purchase. This warranty is non-enforceable if the enclosed warranty page is not returned within 30 days from the date of purchase.

Reading Stove Company warrants its products to be free from defects in material or workmanship, in normal use and service, for four (4) years from the date of sales invoice for residential use, one (1) year for commercial use. There is a four (4) year warranty on the body of the stove and a one (1) year warranty on all electrical components.

The warranty above constitutes the entire warranty with respect to Reading Stove Company products. **READING STOVE COMPANY MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING "ANY" WARRANTY OR MERCHANTABILITY, OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** No employees, agent, dealer, or other person is authorized to give any warranty on behalf of Reading Stove Company. This warranty does not apply if the product has been altered in any way after leaving the factory. Reading Stove Company assumes no liability for resultant damages of any kind arising from the use of its products. In addition, the manufacturer shall be held free and harmless from liability from damage to property related to the operation, proper or improper, of the equipment. **THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.**

These warranties apply only if the device is installed and operated as recommended in this Owner's Manual.

These warranties will not apply if damage is caused by abuse, accident, improper installation, negligence, or use beyond rated capacity.



SERVICE LABOR RESPONSIBILITY: In furnishing replacement parts, Reading Stove Company assumes no responsibility for any labor expenses, for service removal or reinstallation.

If defective in material or workmanship, and if removed by the owner within the warranty period, Reading Stove Company will, at its opinion, repair or replace the product as described below.

HOW TO MAKE A CLAIM: Any claim under this warranty should be made to the dealer from whom this appliance was purchased. The dealer will require the model and serial numbers, the date of purchase, plus a simple explanation of the nature of the defect. The dealer will then contact the manufacturer.

SHIPPING COSTS: The transportation charges are as follows:

1. Customer prepays freight back to factory
2. Reading Stove Company prepays the repaired or replaced stove freight charges

NOTE: Prior approval by phone or in writing shall be made before shipping entire unit to manufacturer.

THIS WARRANTY IS LIMITED TO DEFECTIVE PARTS—REPAIR AND/OR REPLACEMENT AT OUR OPTION AND EXCLUDES ANY INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH.

WARRANTY EXCLUSIONS: (1) Labor (2) Door Packing (Gasket) (3) Paint (4) Glass (5) Hopper (coal) (6) Ash Pan (7) Damage Due to Natural Disasters, War, or Terrorism (8) Rust (9) Nickel Finish

PLEASE READ THE LITERATURE BY THE MANUFACTURER FOR THE VARIOUS ACCESSORY DEVICES. THESE DEVICES ARE UNDER **WARRANTY BY THE MANUFACTURER**, NOT BY READING STOVE COMPANY. FURTHERMORE, THESE ACCESSORY DEVICES MUST BE INSTALLED AND USED ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURER.

REMEDIES: The remedies set forth herein are exclusive, and the liability of seller with respect to any contract or sale or anything done in connection therewith, whether in contract, in tort, under warranty, or otherwise, shall not, except as herein expressly provided, exceed the price of the equipment of part of which such liability is based.

CLARIFY: The above represents the complete warranty which is given in connection with stoves manufactured by Reading Stove Company. No other commitments, verbal or otherwise, shall apply except by a written addendum to this warranty.

All liability for any consequential damages for breach of any written or implied warranty is disclaimed and excluded here from. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives the consumer specific legal rights, there may be other rights that vary from state to state.



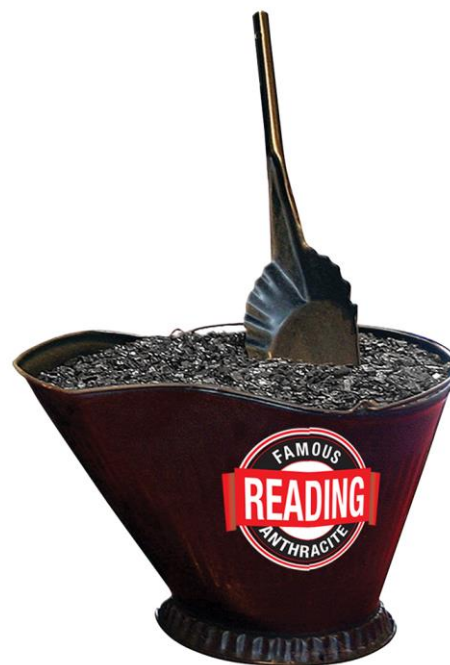
Don't forget to stock up on Mother Nature's Clean Coal ®

Reading Stove Company's sister company, Reading Anthracite Company, is an anthracite mining, processing and sales organization in Pottsville, Pennsylvania that provides fuel for coal stoves.

The Juniata RSFD-10 Coal Stove is designed to burn Premium Reading Anthracite Company Rice Coal.

See your local dealer or coal supplier to purchase reliable coal from Famous Reading Anthracite today! If they don't carry our product, ask them to!

For further information regarding Reading Anthracite Company, please visit www.ReadingAnthracite.com or call (570) 622-5150.



Section 10: Warranty Registration Form

Juniata RSFD-10

Purchased by (Name): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Email: (Optional) _____

DEALER INFORMATION

Purchased from (Dealer): _____

Address: _____

City: _____ State: _____ Zip: _____

UNIT INFORMATION

Purchase Date: _____

Serial Number: _____

**This registration information must be on file for the warranty to be valid.
Please mail this information within thirty (30) days from the date of purchase.**

Mail to:

Reading Stove Company
P.O. Box 1200
Pottsville, PA 17901

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Section 11: Satisfaction Survey

In an effort to improve our customer service and products, please fill out the below survey and return it *with* your **Warranty Registration Form to Reading Stove Company, P.O. Box 1200, Pottsville, PA 17901 within thirty (30) days from the date of purchase.**

1. How did you learn about this product?

Provide as much info as possible -

- Television _____
- Radio _____
- Newspaper _____
- Internet _____
- YellowPages _____
- Word of Mouth _____

2. Overall, how satisfied are you with this product?

- Very Satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments: _____

3. What impressed you most about the product?

- Quality of Craftsmanship
- Price
- Customer Service
- Features & Benefits
- Fuel Cost Savings
- Ease of Use
- Design

Comments: _____

4. Rate your overall opinion about the quality of this product.

- Very High Quality
- High Quality
- Average
- Low Quality
- Very Low Quality

Comments: _____

5. Will this product be used as a supplemental heating source?

- No
- Yes

If yes, in addition to what? _____

6. Will this product *replace* another type of heating source?

- Wood
- Wood Pellets
- Electricity
- Propane
- Natural Gas
- Oil

7. How would you rate your Reading Stove Company Authorized Dealer?

- Excellent
- Very Good
- Good
- Average
- Poor

8. Would you recommend our product to others?

- Yes
- Probably
- Not Sure
- No

Comments: _____

9. Additional Comments

May we use your first name, last initial and City, State coupled with any part of this survey as a testimonial to be featured on future marketing materials?

- No
- Yes

Thank you!