

Leisure Line Coal Stoker Stoves

Instruction, Maintenance & Safety Manual

Thank you for purchasing a Leisure Line coal stoker stove. You will find that with a little care & maintenance your stove will give you many years of very affordable heat. Please make sure you thoroughly read this stove instruction manual & the operation manual of the carbon monoxide alarm!!!

*** Please return your warranty card upon receiving stove**

Never burn your coal stoker without having a working CO alarm!!!

Actuation of your CO alarm indicates that presents of CO. Turn off your coal stove immediately and try to find & solve the problem. Open windows and doors to help move the fresh air throughout the house.

What is Carbon Monoxide?

- **Carbon monoxide (CO) is an odorless, colorless, poisonous gas created when any fuel is burned – gasoline, propane, natural gas, oil, wood, coal and even tobacco. When combustion air is limited, more CO is produced. Serious problems can develop when combustion by-products are not properly vented outside the house.**

What are the Effects of CO exposure?

- **When you breathe CO, it enters your bloodstream through your lungs and attaches to red blood cells. The early symptoms of carbon monoxide poisoning are often mistaken for the flu – headache, dizziness, weakness, nausea, vomiting, sleepiness, and confusion.**

Treatment for CO poisoning

- **Any person who is suspected to have CO poisoning should leave the potentially dangerous environment, get fresh air immediately and seek care of a physician. Acute CO poisoning is usually treated by breathing in oxygen. When CO poisoning is severe, high pressure oxygen therapy in a special “hyperbaric chamber” may be used.**

Assembly for Econo I & Econo Sidewinder

The simplicity of the Leisure Line stoker stove is what makes our unit user friendly.

Before starting, remember to remove the ash bucket from the stove, as well as the hopper from its box. Everything needed to assemble the stove is in the ash pan and hopper box.

Parts List

1pc. 60lb. hopper w/blower & rheostat box or thermostat

1pc. Hopper lid

1pc. Hopper gasket

1pc. Feeder (burner, 70,000 BTU input)

1pc. Firestop

Optional Thermostat

Tools Needed

1- 7/16" wrench or socket

90 DAY WARRANTY!!

Assembly begins with installing the feeder. Back out the 4pcs. $\frac{1}{4}$ " x $\frac{3}{4}$ " (7/16) bolts that are located in the feeder offset box. Insert the feeder; grate first, into the back of the stove. Reinstall the four (4) bolts into the offset box to hold the feeder in place. Snug up the bolts so the gasket compresses, do not over tighten.

Next, secure the self adhesive hopper gasket onto the bottom of the hopper where it sets on the feeder. This will stop any vibration. Remove the two (2) $\frac{1}{4}$ " nuts (wing nuts) and two (2) washers from the bolts at the back of the stove (near the top of the back). Now install the hopper in its location and place the washer and nut back on the bolt. Tighten. Unit comes with or without a thermostat. Now install the glass. Place the self-adhesive gasket on both side of the glass. Wrap the glass completely with the gasket. Take the 4 glass bolts and brackets out of the backside of the door. Install the glass and replace and snug the bolts.

Hopper lid sweat is a sign of poor draft. Correct problem immediately!!!

Assembly for Hearth

The simplicity of the Leisure Line stoker stove is what makes our unit user friendly.

Before starting, remember to remove the ash bucket from the stove, as well as the hopper from its box. Everything needed to assemble the stove is in the ash pan and hopper box.

Parts List

1pc. 70lb. hopper

1pc. Hopper lid

1pc. Hopper gasket

1pc. Feeder (burner, 90,000 BTU input)

1pc. Thermostat Box

1pc. A125/212 cfm blower

1pc. Firestop

1pc. Door Cover

Tools Needed

1- 3/8" Wrench

1- 7/16" Wrench

Assembly begins by installing the A125/212 cfm blower onto the bottom of the back of the stove. The easiest way is to lean the stove forward against a wall or secure object. You will find four (4) mounting screws or nuts. Back the screws completely out, place the blower with the air scoops upward against the stove, lining up the mounting holes with the rubber grommets on the blower. Reinstall the four (4) screws tightly to prevent any vibration.

Installation of the feeder (burner) unit is next. Back out the 4 pcs. 1/4" x 3/4" (7/16) bolts that are located in the feeder offset box. Insert the feeder; grate first, into the side of the stove. Reinstall the four (4) bolts into the offset to hold the feeder in place. Snug up the bolts so the gasket compresses, do not over tighten.

Next, secure the self adhesive hopper gasket onto the bottom of the hopper where it sets on the feeder. This will stop any vibration. Remove the two (2) 1/4" x 1 1/2" bolts from the back of the stove (near the top of the

back). Place a washer onto the bolt and insert it through the hopper from the inside out. Now place both the other washer and spacer and rethread the bolt into the back of the stove. In some cases, a threaded bolt will protrude from the back of the stove, if your stove is like this, follow the same procedure with the spacers and washers.

The next step will be to mount the thermostat box. The thermostat can be mounted on either side of the hopper. Holes provided on every hopper. Now install the glass. Place the self-adhesive gasket on both side of the glass. Wrap the glass completely with the gasket. Take the 4 glass bolts and brackets out of the backside of the door. Install the glass and replace and snug the bolts.

Hopper lid sweat is a sign of poor draft. Correct problem immediately!!!

Install a Carbon Monoxide detector on every floor of your house!!!

Assembly for Pioneer LE series and Pocono TV or BV

The simplicity of the Leisure Line stoker stove is what makes our unit user friendly.

Before starting, remember to remove the ash bucket from the stove, as well as the hopper from its box. Everything needed to assemble the stove is in the ash pan and hopper box.

Parts List

1pc. 110lb. hopper (Pioneer LE)

1pc. 200lb. hopper (Pocono)

1pc. Hopper lid

1pc. Hopper gasket

1pc. Feeder (burner, 90,000 BTU input)

1pc. Thermostat Box

1pc. 265 cfm blower (Pioneer LE)

2pc. 265 cfm blowers (Pocono)

1pc. Firestop

1pc. Door Cover

Tools Needed

1- 7/16" wrench or socket

Assembly begins by installing the 265 cfm blower(s) onto the bottom of the blower housing. The easiest way is to lean the stove against a wall or secure object. You will find four (4) mounting bolts on the air tube at the back of the stove. Back out the four (4) bolts with your 7/16" socket and mount your blower. Tighten the bolts to prevent any vibration.

Installation of the feeder (burner) unit is next. Back out the four (4) pcs. 1/4" x 3/4" (7/16) bolts that are located in the feeder offset box. Insert the feeder; grate first, into the back of the stove. Reinstall the four (4) bolts into the offset box to hold the feeder in place. Snug up the bolts so that the gasket compresses, do not over tighten.

Next, secure the self adhesive hopper gasket on the bottom of the hopper where it sets on the feeder. This will stop any vibration. Remove the two (2) 1/4" x 1 1/2" bolts from the back of the stove. Near the top of the back, place a washer on to the bolt and insert it through the hopper from

the inside out. Now place on the bolt the other washer and spacer and rethread the bolt into the back of the stove. In some cases a threaded bolt will protrude from the back of the stove, if your stove is like this, follow the same procedure with the spacers and washers.

The next step is to mount the thermostat box. The thermostat can be mounted on either side of the hopper. Holes provided on every hopper. Now install the glass. Place the self-adhesive gasket on both sides of the glass. Wrap the glass completely with the gasket. Take the 4 glass bolts and brackets out of the backside of the door. Install the glass and replace and snug the bolts.

Hopper lid sweat is a sign of poor draft. Correct problem immediately!!!

Assembly for Hyfire I and Hyfire II

The simplicity of the Leisure Line stoker stove is what makes our unit user friendly.

Before starting, remember to remove the ash bucket from the stove, as well as the hopper from its box. Everything needed to assemble the stove is in the ash pan and hopper box.

Parts List

1pc. 200lb. hopper

1pc. Hopper lid

2pc. Hopper gasket

1pc. 140 BTU feeder (Hyfire I, 40,000 & 90,000 BTU input)

1pc. 180 BTU feeder (Hyfire II, 90,000 & 90,000 BTU input)

1pc. Thermostat box

2pc. 265 cfm blowers (fans)

2pc. Firestop

Tools Needed

1- 7/16" Socket w/extension

Assembly begins by installing two (2) 265 cfm blowers onto the bottom of the blower housing. The easiest way is to lean the stove forward against a wall or secure object. You will find four (4) mounting bolts on each air tube at the back of the stove. Back out the bolts with the 7/16" socket and mount your blowers. Tighten the bolts to prevent any vibration.

Installation of the feeder unit begins by backing out the six (6) 1/4" x 3/4" (7/16") bolts that are located in the feeder offset box. Insert the feeders; grate first, into the back of the stove. Reinstall the six (6) bolts into the offset box to hold the feeders in place. Snug up the bolts so that the gasket compresses, do not over tighten.

Next, secure the self-adhesive hopper gaskets onto the bottom of the hopper where it sets on the feeders. This will stop any vibration. Remove the two (2) 1/4" x 1 1/2" bolts (some units come with the bolts

welded onto the back, if your unit is this way, remove the ¼" nuts and proceed with the instructions), from the back of the stove (near the top of the back). Place the washer and angle iron onto the bolt and insert it through the hopper from the inside out. Now place on the bolt the other washer and spacer (some spacers are welded onto the back) and rethread the bolt into the back of the stove.

The next step is to mount the thermostat box. The thermostat can be mounted on either side of the hopper. Holes provided on every hopper. Now install the glass. Place the self-adhesive glass on both sides of the glass. Wrap the glass completely with the gasket. Take the 4 glass bolts and brackets out of the backside of the door. Install the glass and replace and snug the bolts. Never burn without the distribution fan running.

Hopper lid sweat is a sign of poor draft. Correct problem immediately!!!

Install a Carbon Monoxide detector on every floor of your house!!!

Operation

With your assembly finished, it is time to make all the final connections. Your thermostat should, at this point, be mounted on either side of your hopper. Make sure that your thermostat wire is connected to both the black box mounted on your stove as well as the unit that mounts on the wall.

Pipe connections are standard 6" black pipe with the crimp toward the chimney. Always drill and secure with two (2) or three (3) screws in all the pipe joints. When installing your pipe, be sure that a 6" barometric damper is used. The possibility of a hopper fire exists if a barometric damper is not in operation.

The speed of your fans that blow the hot air are regulated by the thermostat mounted on the back of the hopper. Prior to starting your stove become familiar with the thermostat operation. This will enhance the efficiency of your unit.

Always preheat your chimney before starting your stove. A proper draft is essential for the operation of this stove. If you have any doubt; contact a professional to have it checked. Standard black pipe through the wall will not work, a draft must be created or CO will vent from the stove into the house. After burning your stove for a few minutes, the smoke alarm in your house will start to go off. This is caused by the paint burning off of the stove. Air out the house.

A chimney, power venter, or draft inducer must be used to vent this stove!!

Safety

- **Read the CO alarm manual**
- **A CO alarm must be installed before operation of this stove**
 - **A barometric damper must be installed into the pipe**
 - **Make sure the chimney is clean**
 - **Always preheat the chimney before lighting the stove**
- **When operating a clothes dryer, range hood, or some heat pumps, make sure the draft is not reversed during burning operation**
 - **Anytime you smell sulfur, turn off your stove immediately**
 - **Make sure the glass is completely enclosed by the gasket**
 - **Always make sure the pipe joints are screwed together**
 - **Always follow UL clearances**
 - **Always install the stove on a non-combustible surface**
- **Never exceed body temperature of 500° (magnetic thermometer recommended)**
 - **Turn off your stove if your CO alarm sounds**

A Carbon Monoxide detector must be used!!!

Starting Your Stoker Stove

Before attempting to start your stove, please read your thermostat manual thoroughly!!!

All work must be done by a professional chimney sweep, stove installer or stove dealer. Now place your Firestop (half round metal strip) onto the grate approximately 2" up from the bottom of the grate. Lay your stoker starter bag inside the Firestop, and then pour your coal in the hopper making sure the coal surrounds the stoker starter bag. Now place 2 or 3 handfuls of coal on the starter bag, covering it up. Now light the end of the starter bag and close the door. This will provide oxygen to the fire. At this point, your thermostat box should be mounted on your hopper as well as the thermostat mounted on your wall, as well as plugged in. Turn your thermostat box on immediately. On your wall-mounted thermostat, hold in the menu button for 10 seconds till it reads "feed". Then push the "up" arrow button. It will take it to ten (10). At this point your stove will feed the fire constantly for 10 minutes, creating a large fire. After the first three (3) or four (4) minutes of burning you will need to add more coal to the fire. Do this with a small coal shovel so you will not burn yourself. After the fire has been burning 8 to 10 minutes remove the Firestop with a coal shovel and let it fall into the ash bucket, remembering to remove it for later use. At this point you will now refer to the thermostat manual for the remaining setup of your thermostat.

In Season Maintenance

- **Clean elbows and pipe often. Every two (2) ton of coal is recommended.**
 - **Clean under feeder shovel two (2) times a season**
 - **Clean screens on fans**
 - **Clean glass daily**
 - **Burn oiled coal if possible**
 - **Oil the fan motors**
- **Clean fins on fans. Be sure to unplug the fan to do this.**

End of Season Maintenance

After the end of the heating season, all Leisure Line stoves should be disconnected from the smoke pipe for the non-burning months. This will prevent excess moisture from building up inside the stove body, which will cause rusting of the stove body. All fly ash should be removed from the inside of the walls with a vacuum and 4" paint brush. Sponge wipe the inside of the stove with a solution of water and baking soda. Do not get this solution on the paint. Use 2 gallons of water and 1 small box of baking soda.

Always remove coal from the hopper. If your stove is kept in a very damp environment during non-burning months, a 40 watt light bulb burning in the stove will help prevent moisture build up. Always remove the ash pan from the stove. All in season maintenance should be done as well at the end of the burning season.

Trouble Shooting

Black Dust:

Dirty coal, use caution when adding coal to the hopper

Try oiled coal

Turn off your fan when adding coal

Sulfur Fumes:

Make sure your chimney is clean

Make sure all your pipes are clean

Make sure the flue cap on your chimney is not too close to the top of the chimney and restricting the draft

Make sure the clean-out door to the chimney is closed tight

Make sure all door gaskets are intact and in good repair

Make sure coal is not excessively wet

Make sure the barometric damper is in good working order and not sticking open

Replace if needed

Make sure the stove is maintaining a draft

Sweat on the hopper lid, sign of poor draft

Preheat chimney

Hopper Fire:

Make sure the barometric damper is in good working order

Check for cracks in the grate

Make sure the gasket on the back edge of the grate is in place

Care and Cleaning of the Glass

Your new Leisure Line stove incorporates a special high-temperature window made of Robax transparent glass ceramic from Schott. The material used in the window has a thermal endurance far exceeding that of normal tempered glass. Tempered glass is generally limited to applications that do not exceed 500°F. Robax is designed to operate at temperatures ranging from -400° to 1400°F. To keep this glass clean it must be cleaned everyday. Only use non-caustic, non-abrasive cleaners. Do not attempt to clean hot glass. Use your door cover that comes standard with the Hearth and Pioneer LE TV and BV. If your stove did not come with a door cover, please contact your dealer about purchasing one. Door covers are only supplied with Pioneer LE model stoves.

Parts

Leisure Line encourages all authorized dealers to sell parts. If your dealer does not have parts available, you may purchase them directly from our factory at suggested retail price plus shipping and handling. Please read your warranty for time and description. Paint, brass, and glass are not warranted.

Testing Results

**All Leisure Line Stoves are Tested
To Underwriters Laboratories Standard #1482**

By

Conam Inspection, Auburn, MA 01501

Tested 8/96 to Ansi/UL 1482, CSA B366-M1979

U.S. Environmental Protection Agency

**This heater is only for burning coal. Use of any solid fuel except coal
ignition purposes is a violation of Federal Law**

This product is Approved for Mobile Homes

**Proper clearances must be held. The stove must be secured to a non-
combustible floor. A fresh air supply (outside) must be brought into the
burner unit. Three (3) inch plastic pipe is recommended.**

Prevent House Fires.

**Install and Use Only in Accordance with the
Manufacturer's Instructions and Local Building
Codes.**

Always use a CO detector!!

Safety First

**Place a CO detector on every floor of your
house!!!**

Warning: Improper installation, adjustments, alterations, service or maintenance of stove or power venter can cause property damage, personal injury or loss of life. Installations and service must be performed by a qualified installer or service agency.

PREVENT HOUSE FIRES
 INSTALL AND USE ONLY IN ACCORDANCE WITH THE
 MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODES

LEISURE LINE STOVE CO., INC.

BERWICK, PA 18603

STOKER STOVES ALSO FOR USE IN MOBILE HOMES

MODEL: POCONO PIONEER
 HEARTH HYFIRE I
 ECONO 1 HYFIRE II
 ECONO SIDEWINDER

FUEL: RICE COAL

SERIAL NO.

U. S. ENVIRONMENTAL PROTECTION AGENCY

THIS HEATER IS ONLY FOR BURNING COAL. USE OF ANY OTHER SOLID FUEL
 EXCEPT FOR COAL IGNITION PURPOSES IS A VIOLATION OF FEDERAL LAW.

CONAM Inspection, Inc., Auburn, MA 01501 STL-002

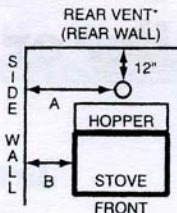
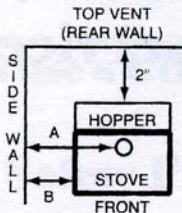
TESTED 8/96 (HYFIRE TESTED 12/96) TO ANSI/UL 1482, CSA B366-M1979

CHIMNEY TYPE: MINIMUM 6 INCH DIAMETER APPROVED LOW HEAT RESIDENTIAL TYPE ALL FUEL. —CHIMNEY
 CONNECTOR: 6 INCH DIAMETER 24 GAUGE BLUE OR BLACK STEEL. INSTALL AT LEAST 18 INCHES FROM CEILING.
 SPECIAL METHODS ARE REQUIRED WHEN PASSING THROUGH A WALL OR CEILING. SEE INSTRUCTIONS AND
 BUILDING CODES. SEE INSTRUCTION MANUAL FOR MOBILE HOME INSTALLATION.

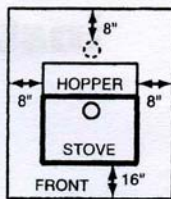
INSTALL WITH MINIMUM
 CLEARANCE TO WALL AS
 SHOWN (IN INCHES)

FREESTANDING MODE

	A	B
POCONO	21"	12"
PIONEER	22-1/2"	12"
HEARTH	27"	12"
ECONO 1*	21"	12"
ECONO SIDEWINDER	27"	12"
HYFIRE I*	26"	16"
HYFIRE II*	30"	20"



FLOOR PROTECTOR



USE APPROVED
 FLOOR PROTECTOR

CONTACT YOUR LOCAL BUILDING OR FIRE OFFICIALS ABOUT
 RESTRICTIONS AND INSTALLATION INSPECTION IN YOUR AREA

*Leisure Line Stoves
are to be used as
supplemental heat
only. Do not use this
stove as a replacement
for a furnace.*

LEISURE LINE STOVE COMPANY, INC. / LIMITED WARRANTY

The following limited warranty is in effect for the original purchaser while the stove is in the original purchaser's possession, ownership, and control. The Leisure Line stoker stove unit you have purchased is warranted by the manufacturer against defects as follows:

Workmanship is warranted for seven (7) years. The metal body of the stove is warranted for five (5) years. The gear motor is warranted for one (1) year. The hopper and lid are warranted for one (1) year. Fans and reostats are warranted for one (1) year. Ash containers are warranted for one (1) year. The grate is warranted for one (1) year. **The glass, paint and brass products are not warranted.**

The warranty does not apply if damage occurs because of accident, improper handling of operation, shipping damage, abuse, misuse, **RUST**, or corrosion, or unauthorized repair made or attempted.

This warranty means that this stove or components will be replaced or repaired at our option. Only stoves or components that prove to be defective will be repaired or replaced. If any part of the unit becomes defective during the warranty period, send the component freight prepaid to the factory.

*** All liability for any consequential damage for breach of any written or implied warranties is disclaimed and excluded herefrom. Some states do not allow the exclusion or limitations of accidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have rights which vary from state to state. **This warranty is void if you do not return the attached card within thirty (30) days after the date of purchase.**

*** A term required by Federal Law.

Leisure Line Stove Company, Inc.
R. 620 Broad Street Berwick, PA 18603

Always use a CO Alarm

Name _____

Address _____

City _____ State _____ Zip _____

Where Purchased _____

Selling Price less tax _____

Model _____

Purchase Date _____

(MUST BE MAILED WITHIN 30 DAYS OF PURCHASE)

LEISURE LINE STOVE COMPANY, INC. / LIMITED WARRANTY / ECONO I

The following limited warranty is in effect for the original purchaser while the stove is in the original purchaser's possession, ownership, and control. The Leisure Line stoker stove unit you have purchased is warranted by the manufacturer against defects as follows:

Workmanship is warranted for ninety (90) days. The metal body of the stove is warranted for ninety (90) days. The gear motor and combustion blower motor is warranted for ninety (90) days. The hopper and lid are warranted for ninety (90) days. Fans and reostats are warranted for ninety (90) days. The grate is warranted for ninety (90) days. The ash container is warranted for ninety (90) days. **The glass, paint and brass products are not warranted.**

The warranty does not apply if damage occurs because of accident, improper handling of operation, shipping damage, abuse, misuse, RUST, or corrosion, or unauthorized repair made or attempted.

This warranty means that this stove or components will be replaced or repaired at our option. Only stoves or components that prove to be defective will be repaired or replaced. If any part of the unit becomes defective during the warranty period, send the component freight prepaid to the factory.

All liability for any consequential damage for breach of any written or implied warranties is disclaimed and excluded herefrom. Some states do not allow the exclusion or limitations of accidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have rights which vary from state to state. **This warranty is void if you do not return the attached card within thirty (30) days after the date of purchase.**

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**Leisure Line Stove Company, Inc.
R. 620 Broad Street Berwick, PA 18603**

Always use a CO Alarm

Name _____

Address _____

City _____ State _____ Zip _____

Where Purchased _____

Selling Price less tax _____

Model _____

Purchase Date _____

(MUST BE MAILED WITHIN 30 DAYS OF PURCHASE)