



## INSTALLATION & OPERATION MANUAL

MODEL NUMBERS:	12-CSS	"CUB"
	12-CSM	"BLACKBEAR"
	12-CSL	"GRIZZLY"

### CAUTION

Please read this entire manual before installation and use of this wood fuel- burning appliance. Keep children, furniture, fixtures and all combustibles away from any heating appliance.

### SAVE THESE INSTRUCTIONS

### SAFETY NOTICE

Failure to follow these instructions can result in property damage, bodily injury or even death. For your safety and protection, follow the instructions outlined in this manual.

**THIS WOOD HEATER NEEDS PERIODIC INSPECTION AND REPAIR FOR PROPER OPERATION. CONSULT THE OWNER'S MANUAL FOR FURTHER INFORMATION. IT IS AGAINST FEDERAL REGULATIONS TO OPERATE THIS WOOD HEATER IN A MANNER INCONSISTENT WITH THE OPERATING INSTRUCTIONS IN THE OWNER'S MANUAL.**



MADE IN USA

REV. 3/2017

Manufactured By: England's Stove Works, Inc. PO Box 206 Monroe, VA 24574  
(800) 516-3636 [www.heatredefined.com](http://www.heatredefined.com)

IMPORTANT: IF YOU HAVE A PROBLEM WITH THIS UNIT, DO NOT RETURN IT TO THE DEALER.

CONTACT TECHNICAL SUPPORT @ 1-800-245-6489

### Retain for your files

Model Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Serial Number \_\_\_\_\_

Have this information on hand if you phone the factory or your dealer regarding this product.

### CAUTION

- Keep children away.
- Supervise children in the same vicinity as this appliance.
- Alert children and adults to the hazards of high temperatures.
- Do NOT operate with protective barriers open or removed.
- Hot while in operation! Keep clothing, furniture and other combustibles away. Contact may cause skin burns!
- **Do NOT over-fire your unit.**
- **NEVER** allow your stove to get so hot that your stovepipe becomes red. Reduce airflow on your door air intake to reduce the heat.
- Installation MUST comply with local, regional, state and national codes and regulations.
- Consult local building, fire officials or authorities having jurisdiction.

### WARNING

- Keep all flame and heat sources away from tent fabric. Many tents are flame resistant; this does **not** mean they are fire proof. Do not insert the stove pipe directly through the fabric. A rubber military-style stove jack must be used. If a rain fly is being used on the tent a rubber military-style stove jack must be used in both the rain fly and the tent.
- Only for use in tents made for stove usage (i.e. a canvas wall tent with a stove jack); not for use in nylon or other tents not suited for stove use.
- Always leave a window cracked or door partly open when using this stove.
- NEVER place your stove on a tent floor or other flammable material.
- Stove sparks will burn holes in a fire treated roof. A spark arrestor will help prevent most sparks from reaching your roof.
- NEVER USE FLAMMABLE LIQUIDS TO START A FIRE IN YOUR STOVE.

# WELCOME!

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## INTRODUCTION

**Thank you for purchasing this fine product from England's Stove Works!**

England's Stove Works was started, and is still owned by, a family that believes strongly in a "Do It Yourself" spirit – that's one reason you found this product at your favorite "Do It Yourself" store.

We intentionally design and build our stoves so that any owner can maintain his or her unit with basic tools, and we're always more than happy to show you how to do the job as easily and as inexpensively as possible.

Please look at our vast Help section on our website and call our Technical Support Department at (800) 245-6489 if you need any help with your unit. We are nearly always able to "walk you through" any installation issues, repairs, problems or other questions that you may have.

*Wishing you years of efficient, quality and "comfy" heating,*  
Everyone at England's Stove Works

**PLEASE NOTE:** While information obtained on our web site and through our 800 number is always free of charge, there will be a service charge incurred with any "on-site" repairs or maintenance that we may arrange.

**[www.heatredefined.com](http://www.heatredefined.com) (800) 245-6489**

*This manual is available for free download on the manufacturer's web site. It is a copyrighted document and resale is strictly prohibited. The manufacturer may update this manual occasionally and cannot be responsible for problems including injuries or damages resulting from the use of information found in any manual from unauthorized sources.*

**PLEASE NOTE:** If you purchased this model from certain stores, their model number may end in "L" "LC" "H" "CT", etc. This manual does apply to those models as well.

### **CAUTION: Stove is heavy.**

In addition, when handling any sheet metal products, be aware that there may be sharp edges or burrs. Although we make every effort to eliminate any sharp edges, please use caution when handling any metal parts. Remember to disconnect (unplug) the stove from the power source and allow it to completely cool down before performing any maintenance.

## ASSEMBLY, PROTECTION and CLEARANCES

**APPLICATION:** THIS CAMP STOVE (AKA WALL TENT STOVE) IS A WOOD HEATER AND COOK STOVE THAT MUST BE USED FOR RECREATIONAL PURPOSES ONLY, SUCH AS ICE FISHING, CAMPING AND HUNTING. IT WAS NOT DESIGNED FOR RESIDENTIAL HEATING. IT IS IDEAL FOR COOKING, AS WELL AS HEATING TEMPORARY INSTALLATIONS SUCH AS WALL TENTS.

THE STOVE MUST NOT BE HOOKED UP TO A HOT AIR DISTRIBUTION SYSTEM, AS AN EXCESSIVE ACCUMULATION OF HEAT MAY OCCUR. ***IT IS PROHIBITED TO INSTALL THIS STOVE IN ANY PERMANENT STRUCTURE, INCLUDING A HOME OR MOBILE HOME.***

### **ASSEMBLY:**

Install spring handles on door and circular damper (twist them onto each handle rod)



Install legs by turning stove upside down (or on its back) and installing two thumb screws per leg



**TEAR DOWN:**

Allow stove to COMPLETELY cool down before removing legs, removing pipe or performing any tear down or transport.

**ACCESSORIES:**

\*See our website for a full selection of accessories for your camp stove. Accessories will ship with instructions included. Please call Technical Support at (800) 245-6489 with any questions.

**FLOOR PROTECTION:**

The stove must be placed on a non-combustible surface. The following minimum requirements must apply:

USA	Front	Sides	Rear	Thickness
	16"	6"	6"	1/64"
CANADA	18" (460 mm)	8" (200 mm)	8" (200 mm)	Steel Plate 1/64" (0.38 mm)

**CLEARANCES from Combustible Materials:**

Back Wall	Side Wall	Corners	Height*
48" (1220 mm)	48" (1220 mm)	48" (1220 mm)	60" (1524 mm)

*\*Height, from stove's cooking surface to the ceiling*

## INSTALLATION

**Before** using your stove in the tent, be sure to cure the paint. Burn the stove in a safe open area (such as your driveway or yard) for 2-3 hours to allow the oils and paint from the manufacturing process to cure. Be sure to set up your pipe so that it can cure, also (see pipe connection ,below). Begin the fire as a kindling fire and DO NOT achieve high temperatures quickly, as the paint needs time to cure slowly.

Once the unit is assembled and in place and the minimum clearances are acquired, it must be coupled to any chimney with a connector (stove pipe). Verify the clearance between your pipe and the surrounding combustibles; if the pipe manufacturer's clearance or local code cannot be obtained (usually a minimum of 18" or 457 mm), you may use an insulated stove pipe or thermal shield. READ AND FOLLOW THE PIPE MANUFACTURER'S INSTRUCTIONS.

This stove takes **4" diameter** stove pipe.

**Pipe Connection:** Your pipe system should be assembled so that the male section of each pipe is oriented down (male end toward the floor). Attach each of the sections together with three sheet metal screws, placed equidistantly around the pipe. The pipes should be short and straight. Any sections installed horizontally must slope at least  $\frac{1}{4}$ " per foot, with the lower section toward the stove.

Your stove pipe should extend **at least 6"** above the ridge of the tent. This reduces the possibility of spark holes being burnt in the roof.

**CAUTION:** The use of three sheet metal screws on each section of pipe is particularly important in windy conditions. Be sure to stake down your tent roof and ridge to prevent movement of the tent and roof.

Installation of a 'barometric draft stabilizer' (fireplace register) on the exhaust system is prohibited.

However, installation of a draft damper **is recommended**, in the section of pipe that is closest to the stove body.

A spark arrestor and rain cap on the top section of pipe **is also recommended**.

**CAUTION:** Be sure to check the spark arrestor **daily** and clean as necessary, as a clogged spark arrestor can cause smoke to spill out of the stove door or could even cause a fire in the stove pipe.

**Follow the pipe manufacturer's and the damper manufacturer's instructions when installing the damper in the chimney pipe.**

Be sure to have the damper in a fully open position when you start a fire or open the stove's door, to reduce smoke billowing (and your tent and clothes from smelling like smoke). Open the stove door slowly each time you open it.

**CAUTION:** The more you use the damper to reduce air flow, use the door draft to reduce air flow and/or use soft or moist wood, the more creosote buildup you will experience in the stove pipe and spark arrestor. Be sure to check your stove pipe and the spark arrestor regularly for creosote, and clean as necessary. DRY hardwoods burn the most efficiently and provide the most heat.

## OPERATION

### **Firebox:**

Although your stove does not come with firebrick, it is recommended that you consider installing and using firebrick to prolong the life of your stove. We offer a firebrick kit as an accessory, as well as an alternative BottomSaver steel insert that will prolong the life of the stove's firebox, as well.

Tip: DO NOT store the stove with ashes left in the firebox, or premature rust and degradation of the firebox will occur.

### **Solid Fuel:**

Your stove is designed to burn wood only – no other combustibles (trash or other combustible materials) should be used.

Different wood types produce different energy yields. Be sure that your wood is as dry as possible - many problems related to operating a wood stove are caused by the fact that the wood is too damp.

Some problems from using damp wood include: Ignition or Start-up problems; Creosote buildup and chimney fires; Low energy (i.e. heat) yield; Incomplete combustion of the wood

### **Before your first fire:**

Be sure to cure your stove and pipe (see INSTALLATION section)

As stated previously, firebrick or the BottomSaver steel firebox insert should be used, to prolong the life of the firebox.

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 in use. Additionally, never apply fire-starter to hot embers in the stove. Do not use

chemicals or fluids to start the fire. Do not burn flammable fluids such as gasoline, NAPHTHA or engine oil.

Be sure the chimney and flue pipe are well installed according the pipe manufacturer's directions. **Install vent at clearances specified by the vent manufacturer.**

Adhere to all clearances to combustible material, as well as floor protection requirements, mentioned in this manual.

Do NOT store fuel closer than specified clearances to combustibles or within the space needed for loading the stove and ash removal.

This unit was designed for operation only with the loading door closed and tightly latched. Operating this unit with the loading door latched loosely or open will allow excessive combustion air to reach the fire and will result in dangerously high temperatures. High unit temperatures can **damage** the unit, **void** the warranty or **ignite creosote** deposited in the flue system by previous, slow burning fires.

### **Starting your fire:**

Be sure the air intake control on the door is fully open, as well as the damper in the stove pipe.

Place several sheets of crumpled paper in the center of the firebox, then place approximately 8-10 small pieces of dry kindling over the top of the paper, forming a 'teepee' shape. If you place any heating wood in the firebox at this time, choose very small pieces.

You may also choose solid 'firestarters' to help start your fire. (Remember, NO flammable liquids such as lighter fluid or gas may be used!)

To avoid back draft from cold air outside the structure, you should warm the chimney prior to igniting the wood in the firebox. Twist a few sheets of paper into a torch shape, then light it and hold it as close as possible to the entry of the flue, inside the combustion chamber, to warm the chimney. USE CAUTION so that you do not burn yourself. Once an updraft into the flue is initiated, you may light your stove by lighting the paper and kindling teepee that is inside the firebox.

Leave the stove door slightly opened for 5-10 minutes, or until good combustion is achieved. DO NOT leave the fire while the door is opened. At this time you may close the door and progressively adjust the air control to achieve the preferred intensity of the fire.

Once you have a bed of embers, reload the unit with larger wood. For safety and best performance, you should keep your wood load no higher than 6 inches.

Use the circular draft control on the stove door to regulate the intake air for your fire. We recommend installing a magnetic thermometer on your stove pipe, approximately 18" (46 cm) above the stove's surface. The ideal temperature of the flue pipe is between 250° F and 500° F

(121° C - 260° C). Below this range can encourage creosote buildup, and above this range can waste heat and potentially lead to over-firing.

**CAUTION:** Remember that wood combustion consumes ambient oxygen; as mentioned previously, be sure to **always** have some sort of an outside air intake such as a cracked door or opened window.

England's Stove Works always recommends the use of a smoke detector and carbon monoxide detector with any wood stove. Carbon monoxide is an odorless, colorless gas which can be deadly. Installing a carbon monoxide detector and being aware of the symptoms of carbon monoxide poisoning can help reduce the risk of carbon monoxide related issues.

### **Cooking:**

One of the excellent functions of this camp stove is for cooking, and the offset flue enables as much cooking space as possible.

**CAUTION:** Remember that the top of the stove will get very HOT.

Use a pan for cooking food on the top of your stove. Do not cook food directly on the stove top. If you find that you must cook directly on the stove top, you should place the food on a piece of stainless steel (for rust prevention) that can be removed and washed, when finished. If rusting does occur over time, you may order a replacement high-temperature spray paint from England's Stove Works to repaint your unit (see Maintenance, below).

## **MAINTENANCE**

**Ash Removal:** Inspect the firebox daily for ash accumulation, and to insure the firebrick (or the BottomSaver steel insert) are in place and not damaged.

“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 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 been thoroughly cooled.”

**CAUTION:** Keep a fire extinguisher handy at all times, including during ash clean up.

Remember to store the stove with ashes cleaned from the firebox, or premature rust and degradation of the firebox will occur.

A small open container of a desiccant (i.e. cat litter) in the stove can help prevent corrosion when the stove is not being used; be certain to remove it before transporting the stove or building a fire.

**Pipe:** Inspect the flue system to be sure it is properly intact. Inspect the pipe and spark arrestor, rain cap, etc. for creosote buildup, and clean if necessary.

**Door and Gasket:** Check the door handle for proper operation and to be certain a tight seal is being made by the door.

Your stove has a fiberglass gasket installed around the door opening. Check this to be sure it is fully intact and is in good condition. If the gasket needs to be replaced, you may purchase replacement gasket from England's Stove Works (Part # AC-DGKCS).

**Other:** Visually inspect any other parts (including accessories, options, etc.) for proper function.

**Finish:** This new unit has been painted at the factory with a high-temperature paint that should retain its original look for a long time. If rust spots appear, the spots can be sanded with fine steel wool and repainted. It is crucial that you use only high-temperature spray paint (our proprietary paint is Part # AC-MBSP), as others may not adhere to the surface or withstand the high temperatures.

**Thanks again** for purchasing this stove from England's Stove Works!

If you should have any questions or need any help with your unit, please contact Technical Support at (800) 245-6489.

# **LIMITED ONE (1) YEAR WARRANTY**

**From the date of purchase to the original owner**

The manufacturer extends the following warranties:

## **One Year Period:**

1. Carbon steel and welded seams on the product are covered for one (1) year against splitting.

## **Conditions and Exclusions**

1. Color and/or integrity of the finish or appearance are not covered.
2. Damage resulting from over-firing will void your warranty.
3. This warranty does not apply if damage occurs because of an accident, improper handling, improper operation, abuse or unauthorized repair made or attempted to be made.
4. The manufacturer is not liable for indirect, incidental, or consequential damages in connection with the product including any cost or expense, providing substitute equipment or service during periods of malfunction or non-use.\*
5. All liability for any consequential damage for breach of any written or implied warranty is disclaimed and excluded.
6. This warranty does not cover internal wear parts of the combustion system, including gaskets, firebrick, steel insert, etc.
7. Warranty is void if product is not used according to the owner's manual.
8. The Survivor Camp Stoves are a light weight solution to portable heat and cooking and not designed for continuous burning. Extensive burn times could lead to slight warping which is not covered under warranty.

**\*\*Some states do not allow the exclusion of limitations of incidental or consequential damages, so the above may not apply to you.\***

## **Procedure**

Purchaser must give notice of claim of defect within the warranty period and pay transportation to and from a service center designated by the manufacturer. The dealer from which the unit was purchased or the factory, at our option, will perform the warranty service.

## **Other Rights**

This warranty gives you specific legal rights; you may also have other rights, which may vary from state to state.

## **Important Notice**

This registration information **MUST** be on file for this warranty to be valid. Please mail this information, along with a copy of the sales receipt, within thirty (30) days from the original date of purchase.

Use any of these three easy ways to send your warranty information in!

### **Mailing Address**

England's Stove Works, Inc.  
Technical Support Department  
P.O. Box 206  
Monroe, Virginia 24574

### **Fax Number**

(434) 929-4810 – Twenty-four hours a day.

### **Online Registration**

Visit our warranty registration website at:

<http://www.heatredefined.com>

**(WARRANTY REG. CARD LOCATED ON NEXT PAGE)**

**For more great products, visit our store site:  
[store.heatredefined.com](http://store.heatredefined.com)**

## WARRANTY REGISTRATION for England's Stove Works®

### Purchaser Information

Purchased By (Name) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_

Email Address \_\_\_\_\_

### Dealer Information

Purchased From \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

### Unit Information

Model Number \_\_\_\_\_ Purchase Date \_\_\_\_\_

Serial # \_\_\_\_\_

Purchase Price \_\_\_\_\_