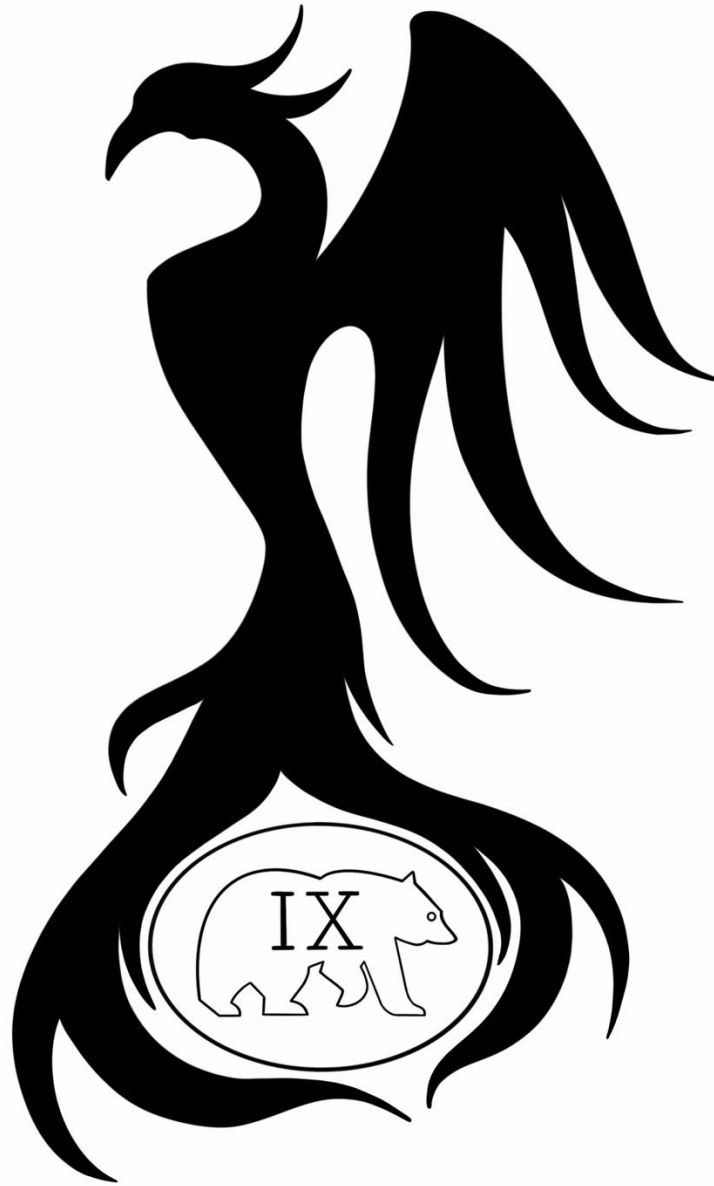


The Phoenix Forge Owner's Manual



Portable, Will Forge Weld, No Assembly Required.

Created by:

Eastern Roadside Creations

Des Moines, Iowa

1st Edition

The Phoenix Forge Owner's Manual

Warranty:

Your forge will be free of manufacturing defects or flaws for a period of 30 days. Modifications of any sort will render this warranty null and void. Damage that is caused by misuse, inexperienced use, or dangerous use will void warranty.

Should a defect be found we will replace the part at no cost to you during the first 30 days.

There are no refunds on used forges

Disclaimer:

Eastern Roadside Creations (E.R.C.) is not responsible for any damage, injury or accidental issue caused by misuse of your forge or any of the parts of this product.

Always wear the proper Personal Protection Equipment (PPE) for forging whenever you are operating your forge. Your forge will be approx 2300F inside the chamber and can cause serious injury if not used safely.

The edges on your forge can be sharp so please use the attached Carry Handle. The chamber is made from a large plate and we use a laser to cut the initial shapes we will form. Laser cuts can leave sharp edges. Be careful when transporting your forge using anything other than the attached handle.

Make sure your burner is securely placed in the burner port. **Your Burner must stay in the port while lit or it can cause serious risk of fire or injury. If improperly placed your burner can fall out of the port. Be Safe!**

Use your forge in a well-ventilated area. Burning gases produce fumes. You should not breathe these fumes. Make sure you have proper air flow in your shop. Carbon Monoxide poisoning and exposure is a very serious risk when forging in a poorly ventilated area.

If you are constantly forging or forge welding you should wear shaded goggles. Over time the light coming from the center of the chamber can damage eyes with prolonged exposure. This is true of any forge.

Forges are an item that will experience wear and tear. At some point, nearly every forge will need a new lining. Your forge should last many years without issue. Unfortunately, nothing we can build will last forever. Your forge is made to be relined if needed.

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Make Sure Nothing Flammable is Near Your Phoenix Forge! Only Operate the Forge in a Safe Area!

About Your Phoenix Forge:

Thank you for choosing our work! Your forge is a simple to operate tool that has a dual lined chamber and Stainless Steel Body. It was designed to totally accommodate any smith in need of a simple, small, no frills tool that can handle flux and forging as a forge should. The Phoenix arrives as a “plug and play” tool. Simply follow the instructions in this manual and turn it on. There is no assembly.

Funny Fact: We made this forge because we couldn't buy it. Plain and simple. Much of the “forges” on the market seem to be little more than “DIY” kits aka unsafely lined chambers that come with packets of cement for the user to line the forge with. The only other forges are soft fire brick forges and those can't handle flux. They also tend to crack due to heat stress.

The chamber is 4” wide and 12” deep with both ends open to the atmosphere. One end can be blocked with bricks if desired. The forge is perfect for knives, most swords and small tomahawks. We use our forges every day and we expect you to be able to do the same.

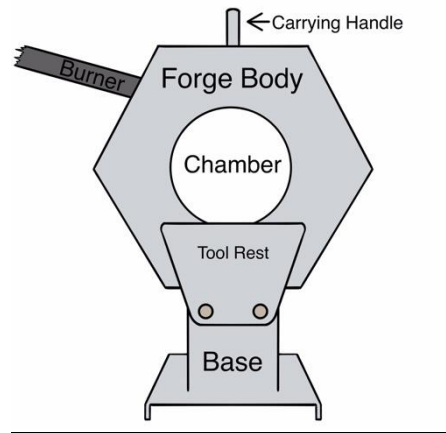
Your forge is made in America. And it always will be while we make them.

Note:

The burner we use was designed and released into the public for free use. We have always known it as the Frosty “T” Burner. It is Bear's favorite burner and one we have used for many years. It was originally designed by Frosty the Lucky.

A shout out of gratitude goes to Custom Firescreen of Des Moines, Iowa for helping to develop and produce the forge bodies for The Phoenix. We could not do this without them.

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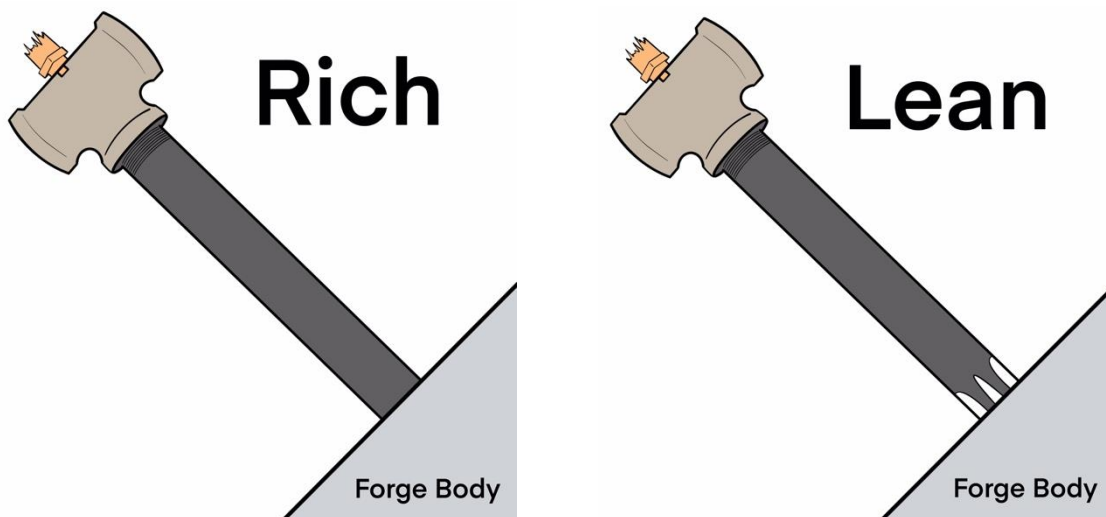
Operating your Phoenix:

Place your forge on a safe/nonflammable surface.

Securely and safely connect the 0-20 PSI regulator to your propane tank. 25lb tanks or larger are strongly recommended.

Place your burner in the port located in the side of the forge chamber.

Burner placement can be adjusted to make your burner run more lean or rich as desired. This placement will be based on the preference of the operator. The forges are designed to run slightly rich to promote a neutral atmosphere within the chamber.



Slowly turn the regulator on until you hear a hiss of gas and use a long reach lighter to light the flame from the side of the outer chamber opening. Do not light the forge at the burner port or at the burner.

You may block one side of the chamber of your Phoenix with firebricks to improve efficiency and reduce the time it takes to preheat if you so desire. This can help save fuel over time and use.

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Important:

When you're done forging, turn your forge off and remove the burner from the port to allow it to cool separately from the chamber. The chamber will release heat over time while cooling and that can damage the burner if it is left in the port. You can set the burner between the legs on the forge body to let it cool in safe place.

Remember to perform gas leak checks often. Both before and during use. **If you smell propane shut your forge down and locate the leak immediately! No exceptions!**

Trouble Shooting Your Phoenix:

- *My Phoenix will light but the flame sputters or will not run at full strength.*
 - It is likely a low propane tank not supplying pressure. It can also be a tank that is too cool to release propane as a gas. The lower the fuel level in the tank, the more likely it is to freeze during use. This will also result in a small yellow toned flame and the chamber will also drop temperature.
- *I smell Propane while forging.*
 - Turn off your forge, locate the leak and repair the issue before starting the forge again.
- *The flame is not stable in windy locations.*
 - The flame will be affected by weather. There is no way we know of to get around this with a Venturi Burner. Do not forge on windy days while outdoors. The flame will sputter and may be blown out by gusting wind.
- *My burner is extremely hot or glowing.*
 - Either not enough pressure is being used to heat the chamber/cool the burner or the burner has been placed to deeply within the port.
- *My forge is so hot it burns my hands while placing stock in the chamber.*
 - We always recommend wearing proper leather gloves and using tongs while operating your forge. It runs hot.
- *The chamber takes 20-30 minutes to glow brightly.*
 - The chamber has a flux resistant lining that takes up to 30 minutes to absorb enough heat to glow. This is normal.

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About Eastern Roadside Creations:

We are a family owned and operated business. Founded by Carlin "Bear" Al-Andas in 2017. Ashli Al-Andas took over leather work in 2019 and the two married in 2021. They spend most of their time making knives, sheathes and tools in their shop when not spending time with their children in the heart of Des Moines, Iowa.

Questions/Comments:

You can reach us by email:

bear@easternroadsidecreations.com

You can also find us on Facebook and Instagram.

www.ercknives.com