

Blacksmithing Propane Forced Air Forge Lighting and Shutting Down the Forge

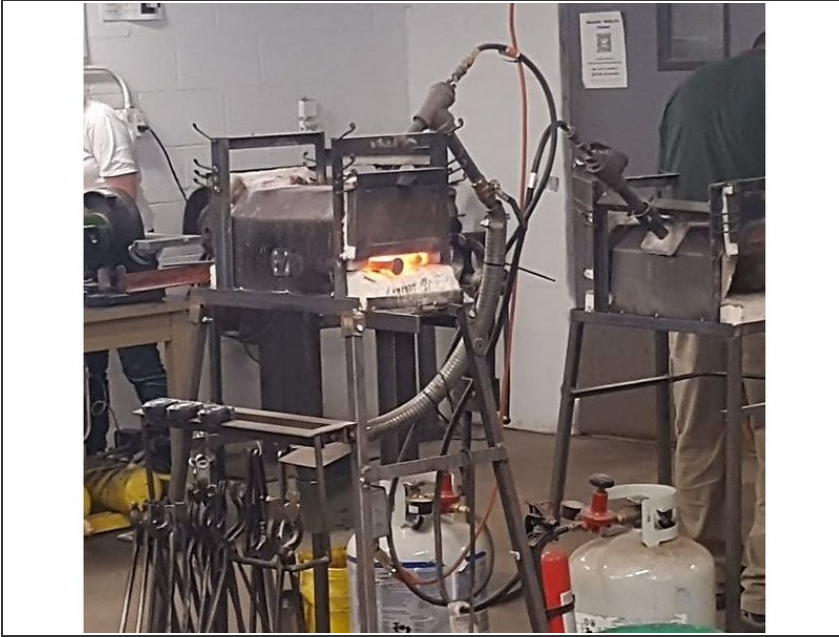
Explain the process of Propane Forced Air Forge Lighting and Shutting Down the Forge



Propane Forge

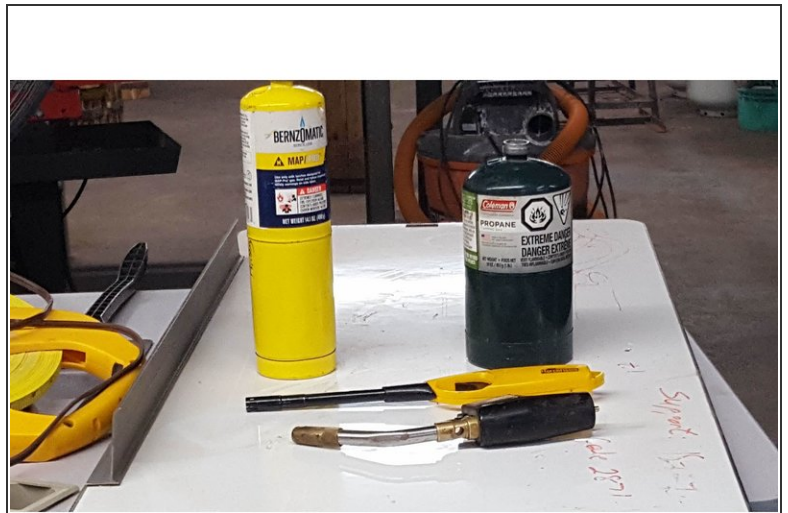
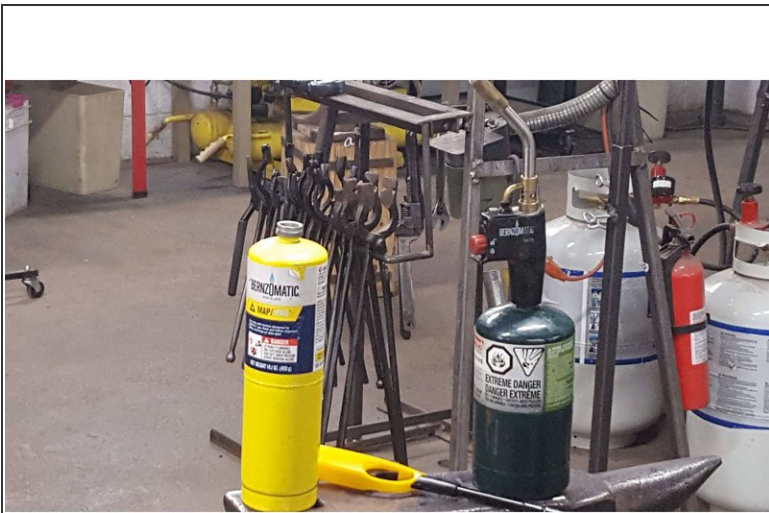
OPERATION SOPs

Step 1 — Forced Air Propane Forge



- This forced air propane forge is used for blacksmithing.

Step 2 — Get torch to light forge.



- Retrieve the Propane, Mapp Gas or Butane bottle and Self-Lighting Nozzle from can next to forge.
- Screw the Self-Lighting Nozzle to the Mapp Gas bottle.

Step 3 — Open Forge Door



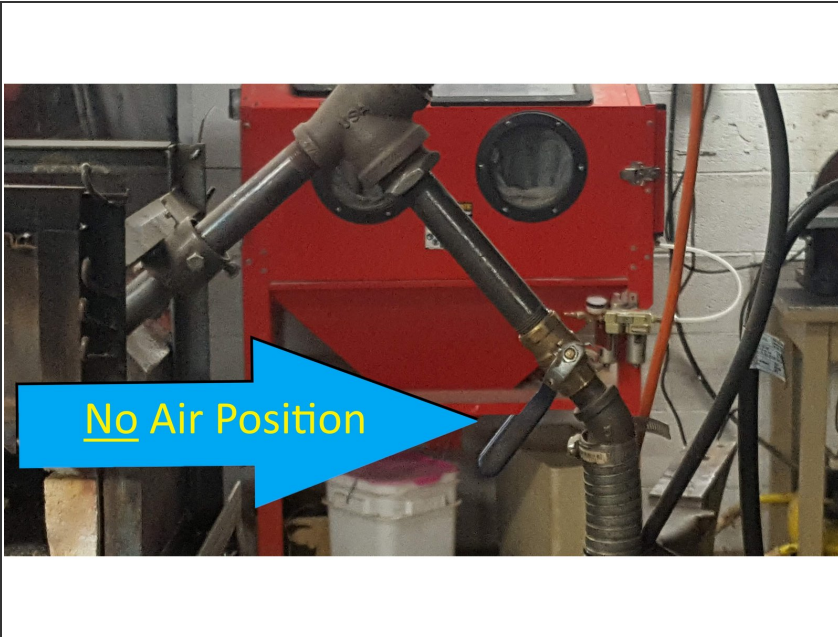
- Place front forge door on top pegs.

Step 4 — Turn on blower motor



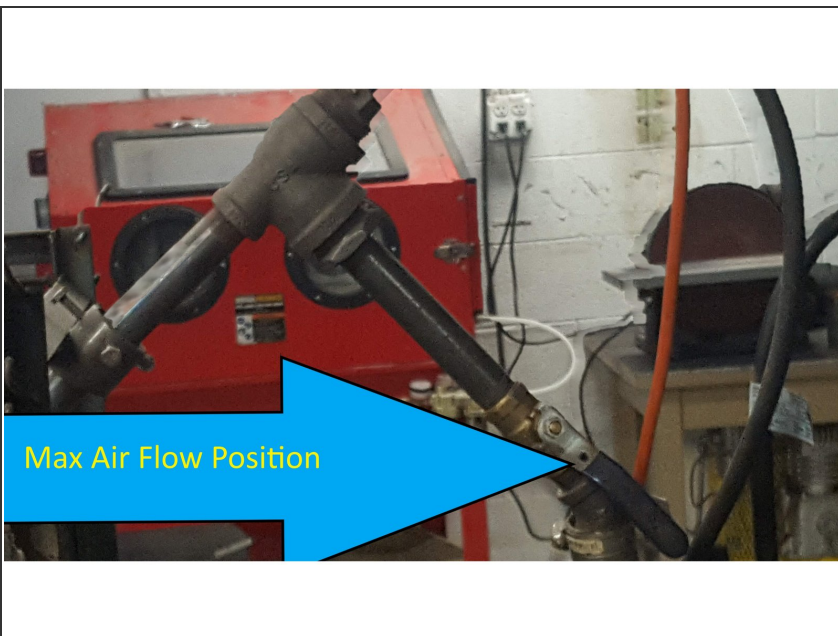
- Turn blower motor power switch to the on position/ switch in the up position

Step 5 — Turn on blower motor



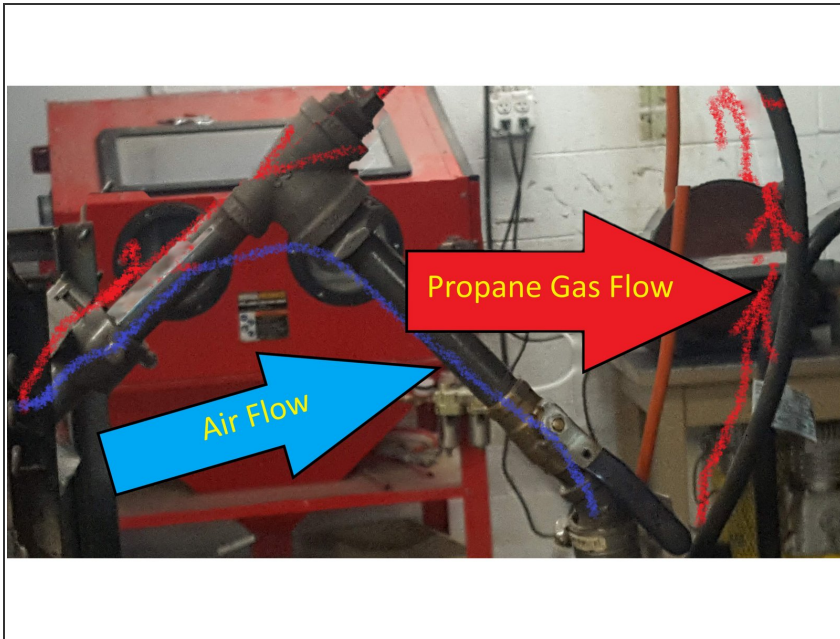
- Blower Air Valve **No** Air Position

Step 6 — Turn on blower motor



- Blower Air Valve Max Air Position

Step 7 — Understand air flow paths



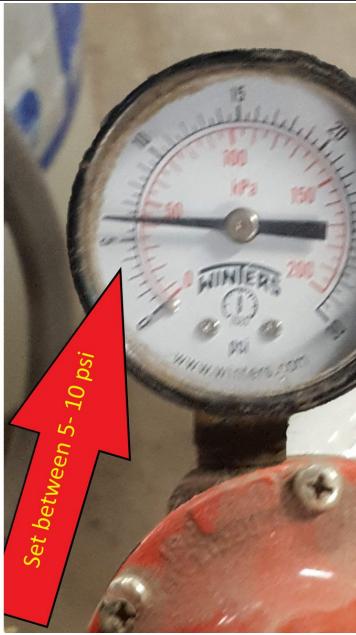
- Propane Gas and Air flow paths

Step 8 — Turn on propane tank



- Turn on propane by turning the propane main valve counter clockwise 1/4 turn.

Step 9 — Regulate Propane Flow



- Turn Propane Regulator knob counterclockwise until Regulator Gauge reads 5 psi. If you are working large material, you may wish to run the forge at a higher psi (up to 10 psi). Be aware that at higher psi the forge will use significantly more fuel. Please do not be wasteful

Step 10 — Temporarily Turn off Propane



- Turn the propane main valve clockwise 1/4 turn to shut off propane.

Step 11 — Get ready to light forge



- Hold unlit Propane, Mapp Gas or Butane nozzle in the front forge opening.

Step 12 — Turn propane tank back on



- Turn on propane by turning the propane main valve counter clockwise 1/4 turn.

Step 13 — Light Forge



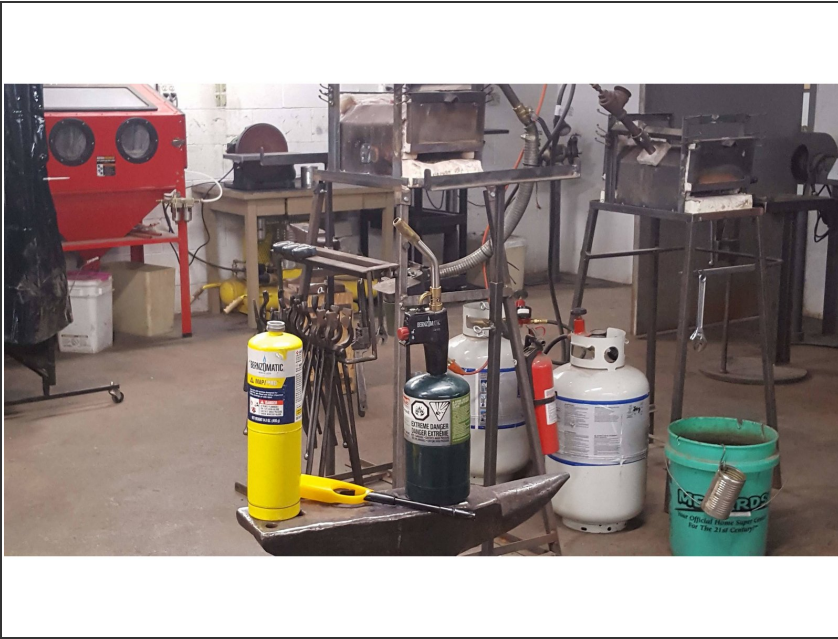
- Keeping clear of the front forge opening (standing to the side with the Mapp Gas or Butane nozzle in the front forge opening) Light the torch and ignite the propane in the forge.

Step 14 — Forge is lit



- Forge is lit

Step 15 — Replace torch



- Turn off Propane, Mapp Gas or Butane torch (if still lit) and put aside in a safe place

Step 16 — Move doors to appropriate level



- Using tongs, move forge doors to lowest pegs

Step 17 — Using the forge



- Adjust air flow as need to create a neutral flame. a flame resulting from the burning of gases supplied in the proper proportions for perfect combustion (as approximately equal volumes of propane and air)
- The flames coming from below the a nice light blue come from the opening below forge door.

Step 18 — Shutting Down the Forge



- Turn Main Propane Valve 1/4 turn clockwise to shut off propane. Insure that the valve is tightly closed.

Step 19 — Cooling down the forge



- Using tongs, move front forge door to the top pegs

Step 20 — Cooling down the forge



- Attend until the forge interior is no longer glowing.

Step 21 — Turn off air



- Turn off air blower.
- Free to leave unattended