



SCOUT WHITE GAS STOVE & LANTERN PERMIT



Stove & Lantern Safety Risks

- Burns from hot surfaces
- Explosion if you do not follow safe practices
- Poisoning from inhaling fumes or ingesting white gas
- Cuts from broken glass if the lantern chimney is broken

White Gas

- White gas or other stove fuels come in bottles, jugs or cans and must be poured into the stove fuel tank . . . must be careful not to spill the fuel.
- Although not as convenient as propane, white gas (or its equivalent) is available throughout the world.
- White gas must be pressurized by pumping and white gas stoves must be primed.
- Must check for white gas leaks before lighting stove
- Easy to start in all weather and at all altitudes
- High heat output = fast cooking speed
- Usually one burner backpacker stoves, but sometimes two burner Coleman Stoves

Stove Storage

- Coleman stoves fold up to act as their own storage device
- Backpacking stoves usually come with a storage bag
- Stoves should always be allowed to cool down before they are stored

Lantern Storage

- Hard storage cases offer the best protection for lanterns
- Soft neoprene rubber sleeves offer some light protection for lantern chimneys, but are not as good as a hard storage case
- Lanterns should always be allowed to cool down before they are stored

Stove Lighting

1. Make sure that the stove burner control knobs are in the "OFF" position
2. Carefully fill the fuel tank to the specified level, use a funnel to help avoid spilling fuel
3. Check O-Ring or gasket seal on fuel tank pump for visible damage (replace if necessary . . . see below)
4. Install fuel tank pump
5. Pressurize the fuel tank with the pump per the stove instructions
6. White gas stoves need to be primed before lighting. To prime, open the stove valve slightly to allow a small amount of the gas to collect in the burner, and then turn OFF the valve.
7. Using a match, burning splint or lighter . . . carefully apply a flame to the collected priming fuel
8. Slowly open the burner valve only enough to see the burner ignite . . . at this point the burner will likely be making a lot of noise and the flame will be quite large until the priming fuel burns off
9. Once the priming fuel has burned off the burner valve can be opened up more to the desired heat
10. Put cooking pot or pan on stove and get cooking.



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11. After a while, you will see that the flame starts to die down . . . you will need to add more pressure to the fuel tank by pumping in some more pressure

Lantern Lighting

1. Make sure that the lantern control knob is in the "OFF" position
2. Carefully fill the fuel tank to the specified level, use a funnel to help avoid spilling fuel
3. Check O-Ring or gasket seal on fuel tank pump for visible damage (replace if necessary . . . see below)
4. Install fuel tank pump
5. Pressurize the fuel tank with the pump per the lantern instructions
6. White gas lanterns need to be primed before lighting. To prime, open the stove valve slightly to allow a small amount of the gas to collect in the mantle and then turn OFF the valve.
7. Using a match, burning splint or lighter . . . carefully apply a flame to the collected priming fuel in the mantel
8. Slowly open the lantern valve only enough to see the lantern ignite . . . at this point the flame will likely be making a lot of noise and the flame will be quite large until the priming fuel burns off
9. Once the priming fuel has burned off the lantern valve can be opened up more to the desired light output
10. After a while, you will see that the flame starts to die down . . . you will need to add more pressure to the fuel tank by pumping in some more pressure

Stove & Lantern Shut-Down

1. If shutting down temporarily, turn stove burner valve or lantern valve to off position
2. If shutting down at the end of the camp, you will need to allow the stove or lantern to cool completely and then bleed of the tank pressure per the manufacturer's instructions
3. Carefully dismantle the stove or lantern, then place in the correct storage container
4. Empty fuel cans need to be properly disposed of . . . they should NEVER be burned in a fire

Maintenance

- White gas is a very clean fuel; however some cleaning of white gas appliances is required . . .
- It is very important to clean all spilt, burnt and dried food from a stove prior to storage
- Any bugs burnt onto a lantern should be cleaned off prior to storage
- Damage O-rings on stoves, lanterns MUST be replaced before using the device
- Although a small hole in a lantern mantel will not prevent them from operating, mantels that show more than a very small hole should be replaced as soon as possible

I agree to the rules of Stove and Lantern use while I am in the Squamish Scout Troop, I have read and understand the rules and recommendations above.

Scout name:-_____ Date:-_____ Signature:-_____



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Leader name:- _____ Date:- _____ Signature:- _____

Parent name:- _____ Date:- _____ Signature:- _____