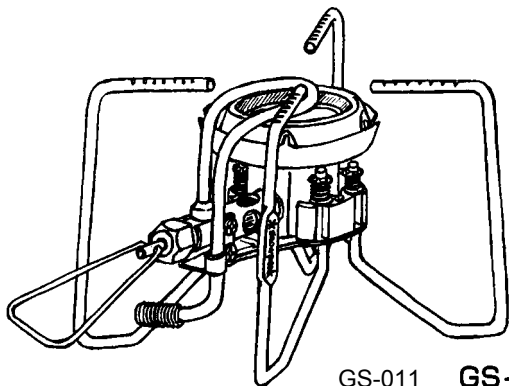




snow peak
outdoor lifestyle creator since 1958

Instruction Manual

GIGA POWER WG STOVE



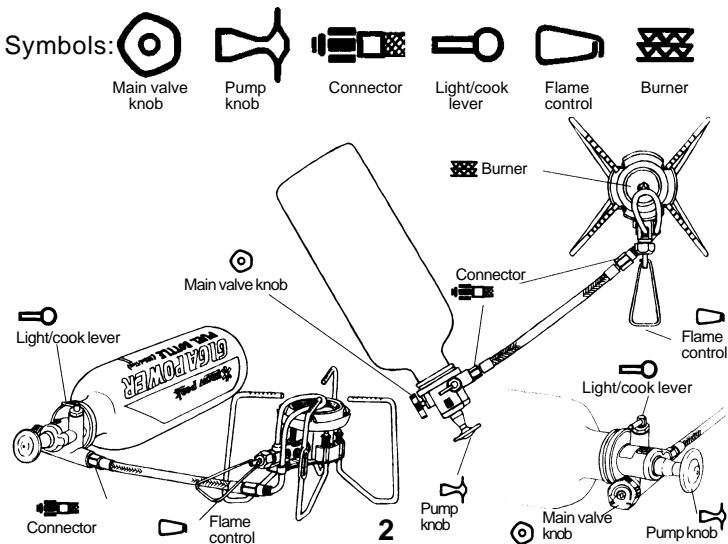
GS-011

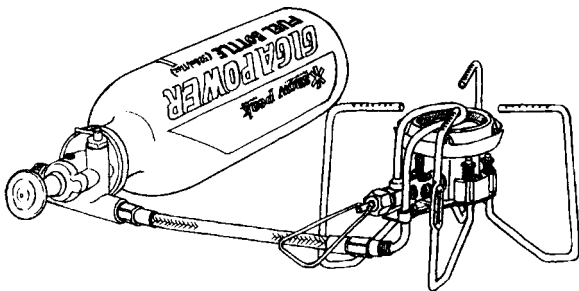
GS-010

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In this instruction manual, the following symbols have been used to identify the major parts.





Specifications

Product name: GigaPower WG STOVE
 Model: GS-010
 External dimensions (W/D/H): 106 x 171 x 100 mm /
 4" x 4.25" x 4" (during use, excluding flame control)
 61 x 90 x 100 mm / 2.5" x 3.5" x 4" (stowed)
 Fuel bottle dimensions (D x H): 74 x 190 mm / 3" x 7.5"
 Fuel hose dimensions (D x H): 11 x 209 mm / 0.5" x 8.25"
 Stove weight: 238 g / 8.25 oz
 Pump unit weight: 79 g / 2.75 oz
 Fuel hose weight: 41 g / 1.5 oz
 Fuel bottle weight: 158 g / 5.5 oz (including cap)
 Total weight: 516 g / 18 oz (excluding maintenance kit and
 storage bag)
 Fuel bottle capacity: 520 ml (up to Fill Level Line)
 Gasoline consumption: 221 g/h
 Maximum Gas Output: 2500 kcal/h (10,000 BTUs)

Stove materials: stainless steel,
 brass, and aluminum
 Pump unit materials: aluminum,
 plastic
 Fuel bottle materials: aluminum,
 plastic
 Fuel hose materials: brass,
 stainless steel mesh
 Fuel gauge material: foamed PVC
 Storage bag material: nylon
 Supplied tools and replacement
 parts:

Driver wrench	1
Carbon gasket	1
Pan-head screw (M2.5)	1
Scotch pad (3x3 cm)	1
O-ring (S-3)	1
O-ring (P-11)	1
O-ring (P-5)	1
Seal gasket	1
Ball	1
Ball spring	1
Maintenance grease	1

1. Safety Precautions

Snow Peak products are designed with safety in mind. However, improper handling/operation may result in accidents such as fire and/or burns. For optimal results, please read these instructions carefully and make yourself familiar with their contents. When using the stove, keep the instruction manual at hand so that it can be referred to as needed.

2. Explanation of symbols used

In this instruction manual the following safety precautions are used. Please make yourself familiar with their meanings before reading the main text of this manual.



WARNING

If the precautions under this heading are not observed, bodily harm such as severe or fatal injuries may result.



CAUTION

If the precautions under this heading are not observed, the environment may be harmed.

2-1



WARNING

Bodily harm such as severe or fatal injuries may result.



Never use the stove inside rooms, tents or cars!

Death or severe poisoning may be caused by lack of oxygen or toxic gases.




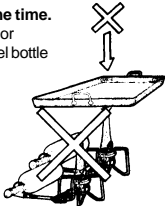

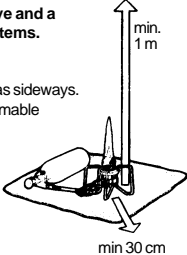




Keep the stove out of reach of children!







Because of potential fire and burn hazards, keep out of reach of children to prevent danger.



Do not attempt to disassemble the stove in any way other than described in this manual. Moreover, never try to modify the stove in any way.

Improper disassembly or modification of the stove may result in explosions, fire, burns, poisoning and/or a considerable decrease in performance. After assembling the stove, confirm that the stove burns properly and that there are no fuel leaks. For instructions on disassembling the stove, refer to 6-4 Disassembly and Storage, pages 17-18 and 7. Troubleshooting, pages 19-21.

	<p>Never use two or more units side-by-side at the same time. If stove units are used side-by-side underneath a pot/pan or other cookware, the stove unit, the fuel hose and/or the fuel bottle may overheat creating extremely hazardous conditions.</p> 
	<p>Make sure to keep a minimal distance of 1 m above and a minimum of 30 cm diameter from any flammable items. Spread a burner sheet under the stove to protect the surface from reflected heat. The flame of the stove may spread downwards as well as sideways. Cookware forces heat downwards; therefore, keep flammable materials away from the stove. Use of the optional burner sheet is recommended. If reflected heat is generated, the heat build-up below the stove may result in a fire.</p> 
	<p>Before lighting the stove confirm that there are no fuel leaks. Prior to lighting the stove, check the following points: (1) All connection parts are tight, (2) There are no fuel leaks, and (3) The main valve knob is closed. For detailed information, refer to section 6-1 "Stove Assembly and Preparation for Burning", page 11. If a fuel leak occurs, refer to section 7. „Troubleshooting“, pages 19-21; repair immediately. If the leak cannot be repaired, contact the dealer where this product was purchased or contact Snow Peak Customer Service. Never try to light the stove when a fuel leak is present.</p>
	<p>Make sure that the fuel hose is securely connected. Never bend or pull the fuel hose while the stove is burning. A fuel leak in the connecting parts may result in extremely hazardous conditions.</p>
	<p>Avoid placing body parts above the stove when lighting. When the burner is ignited, a momentary leaping flame occurs creating a burn hazard.</p>
	<p>Never leave the stove unattended while it is in operation. In order to control or extinguish the flame, never leave the stove unattended while it is in operation.</p>



	<p>Stove must be completely cool prior to refilling the fuel bottle. The stove is hot during operation and after extinguishing the flame. Prior to refilling, allow the unit to completely cool in order to avoid possible hazards of ignition and/or burns.</p>
	<p>Never tilt the stove or move it to another location while it is in operation. Any movement of the stove while in use may result in extreme hazardous conditions such as sudden leaping flames and/or fuel leaks.</p>
	<p>Remove cookware from the stove prior to adding pressure to the fuel bottle with the pump knob. If cookware is left on the stove when using the pump knob, a leaping flame may surround the cookware and/or the cookware may be dislodged resulting in severe burns.</p>
	<p>Check for fuel leaks when the stove is in use. Fuel leaks that occur while using the stove may result in a fire. When in use, monitor the stove and connecting parts for fuel leaks.</p>
	<p>Prior to disassembly of the pump unit and the fuel hose confirm that the main valve knob  has been closed and the stove is completely cool. The stove may spontaneously ignite or burns from the heat may result from disassembly of the unit prior to cooling. It is extremely hazardous to operate the stove while smoking.</p>








2-2



CAUTION

Damage may be caused to the environment due to fire or other hazards.

	<p>Use only the Snow Peak fuel bottle to prevent unnecessary hazards. Fuel bottles manufactured by other companies may not securely fit the fuel pump and/or the bottle cap. This may result in fuel leaks. Fuel leaks may cause fire hazards. Use only the GigaPower fuel bottle.</p>
	<p>Use only white gasoline fuel. The stove may not operate properly with other kinds of fuel, resulting in potential fire and burn hazards. There may be unavoidable circumstances wherein automobile fuel must be used for a minimal time. Sustained use of such fuel may result in reduced performance as well as damage to the stove.</p>

	<p>To transport the fuel, use only a container designed for white gasoline fuel. For storage and transportation refill the gasoline in a special container such as the GigaPower Fuel Bottle. Carefully read directions on the fuel container; use only as directed. Use containers designed specifically for this purpose.</p>
	<p>Never use this stove for any purpose other than cooking. Do not use this stove for purposes such as drying clothes, a source of heat other than for cooking, etc.</p>
	<p>Thin-walled cookware with non-stick coating may become damaged when used with this stove. During use the flame will concentrate in the center. Non-stick coating as well as the cookware may be damaged by this concentrated flame. Therefore, minimize the heat output of the stove.</p>
	<p>Store the white gasoline fuel in a tightly sealed container. Place container in a cool location, away from direct sunlight. Fuel stored in a poorly sealed container will deteriorate. Such conditions will result in both moisture build-up and leaks due to increased pressure inside the container. Fuel that has deteriorated or that contains moisture will result in poor burning performance.</p>
	<p>Never use high-volume pots/pans and other cooking utensils with the stove. Never use any pots/pans having a diameter of more than 230 mm or a volume of more than 6 liters. Carefully place the pots/pans and other cooking utensils on the center part of the stove in a stable position. Otherwise the stove may turn upside down and be damaged.</p>
	<p>Rubber gaskets contract in cold temperatures resulting in potential fuel or pressure leaks. Under freezing conditions, store the stove inside. Fuel or pressure leaks may occur when storing in temperatures below freezing.</p>
	<p>Perform routine inspection and care after each use. After each use perform the maintenance steps as described on page 22. Confirm that the supplied parts and replacement parts are in working condition and available as needed.</p>

3. Fuel recommendations

White Gasoline

This stove is designed to burn white gasoline. Use only white gasoline fuel specifically for use in stoves.

Automobile Gasoline

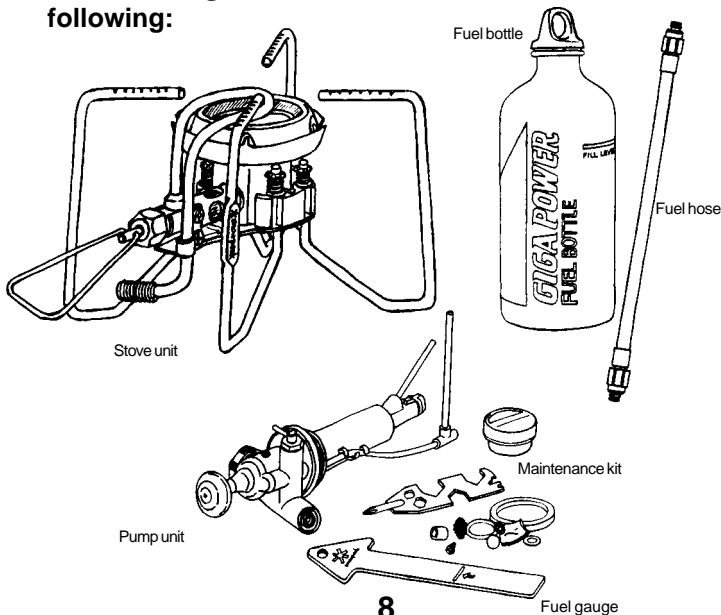
Automobile gasoline contains additives that may result in poor performance of the stove. If it becomes necessary to use automobile gasoline, use only for a short period.

Avoid the following fuels

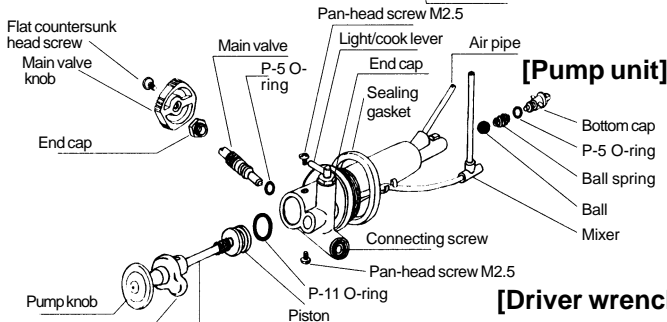
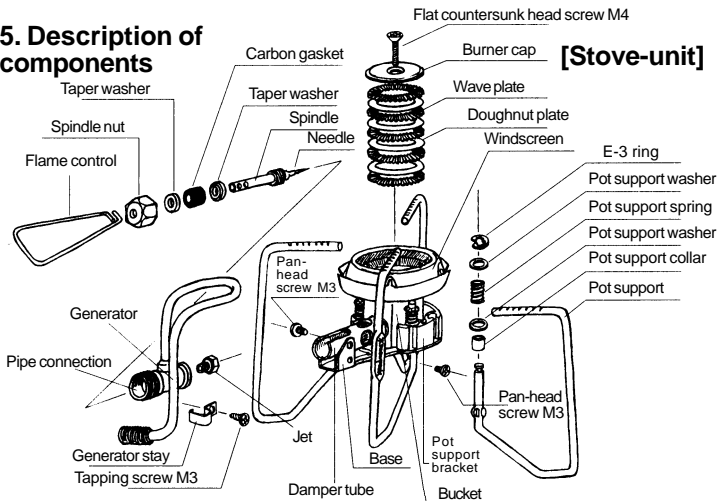
Never use kerosene, diesel oil, methylated spirits or aircraft fuel.

These fuels will cause improper burning and may lead to fires, burns and/or toxic gas poisoning.

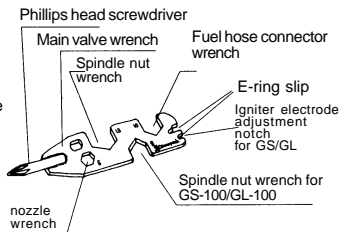
4. GS-010 GigaPower WG Stove contains the following:



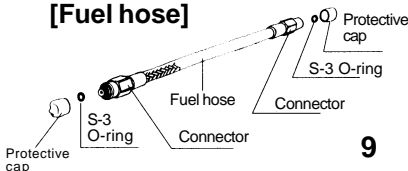
5. Description of components



[Driver wrench]



[Fuel hose]

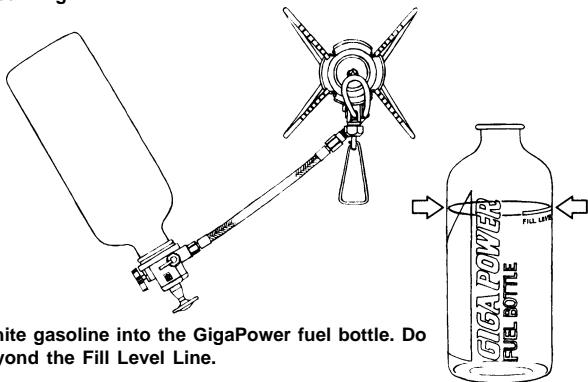


6. Using the GigaPower WG Stove

Pour fuel into Fuel Bottle.	6-1 Stove Assembly and Preparation for Burning Refer to step 1.
Install pump unit.	6-1 Stove Assembly and Preparation for Burning Refer to steps 2- 4.
Pressurize pump unit.	6-1 Stove Assembly and Preparation for Burning Refer to step 5.
Unfold the pot supports.	6-1 Stove Assembly and Preparation for Burning Refer to step 6.
Connect the fuel hose.	6-1 Stove Assembly and Preparation for Burning Refer to steps 7 and 8.
Fully open the flame control.	6-2 Lighting the stove, burning and flame control Refer to step 1.
Open the main valve.	6-2 Lighting the stove, burning and flame control Refer to steps 2 and 3.
Light the stove.	6-2 Lighting the stove, burning and flame control Refer to step 3.
Start and adjust the flame.	6-2 Lighting the stove, burning and flame control Refer to steps 4 - 6.
Extinguish the flame.	6-3 Extinguishing the burner flame. Refer to steps 1 - 3.
Disassemble the unit and store the parts.	6-4 Disassembly and Storage Refer to steps 1 - 10.

6-1 Stove Assembly and Preparation for Burning

- ⚠ Place the GigaPower WG Stove on a stable, level surface. Using the stove on an unstable surface is dangerous and may result in improper burning.



- 1. Pour white gasoline into the GigaPower fuel bottle. Do not fill beyond the Fill Level Line.**

Caution: If filled above the Fill Level Line, the flame will be unstable. If the stove is left in this condition, fuel may leak from the damper tube and ignite. Extinguish the flame immediately, pour out extra fuel and re-light the stove. NEVER fill above the Fill Level Line.



- 2. Slowly insert the pump unit into the GigaPower fuel bottle; turn clockwise ↻ to tighten. When seal gasket becomes tight, turn an additional ¼ turn to securely tighten the pump unit.**

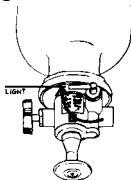
Caution: If the pump unit does not turn smoothly, remove pump unit and screw again. If the pump unit is forcefully installed, it may be damaged.


Caution: Confirm that the seal gasket is completely free from dust, dirt and foreign matter. A loose fit may result in fuel leaks.


- 3. Confirm that the main valve knob ⊙ is firmly tightened ↻.**

Caution: If the main valve ⊙ is not firmly tightened, fuel may leak from the connecting parts of the fuel hose when pumping creating extremely hazardous conditions.

4. Turn the Light/cook lever  clockwise  to the LIGHT position.



Caution: If the stove is lighted in the COOK position (counterclockwise ), excessive fuel will be injected into the unit resulting in an unstable flame. If the condition is not corrected, fuel may leak around the damper tube and spontaneously ignite. The lever must be in the LIGHT position when lighting the stove.




5. Place thumb over hole in center of the pump knob  and slowly pressurize canister by pumping approximately 50 times.


Caution: Pump gently without excessive force. Forceful pumping may result in damage to the pump shaft.

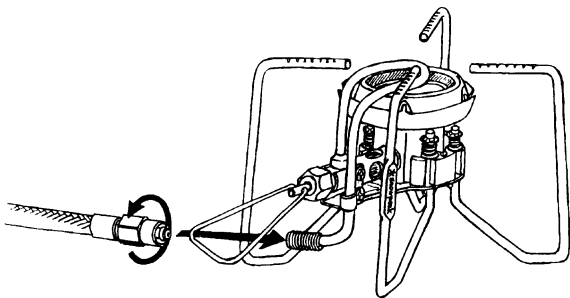
Caution: If the fuel level in the bottle is low, the pressure inside the fuel canister may not be optimized. In this event, pump an additional 20-30 times or refill the bottle to the Fill Level Line.




6. Carefully unfold the Pot support of the stove until it “clicks” into the locked position.

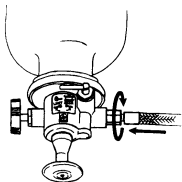
Caution: Confirm that all Pot supports are securely locked into position prior to use.

7. Remove the protective cap from both ends of the fuel hose. Carefully join the connector  with the generator on the stove by turning the connector  clockwise .

Caution: Either end of the fuel hose may be used. Firmly tighten the connector  by hand; DO NOT use any tools to tighten. If a tool is used to tighten, the threads may be damaged while in use. Keep the protective cap free from dirt and dust.




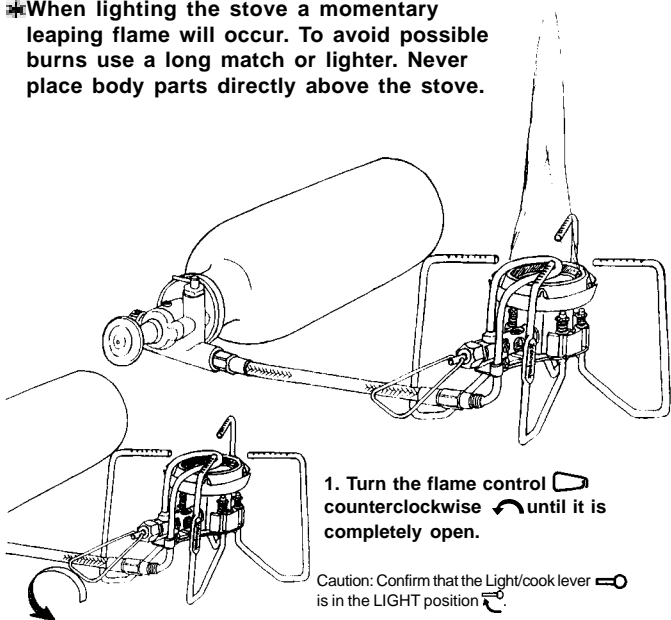
8. Carefully join the other end of the fuel hose to the pump unit by turning the connector  clockwise . Firmly tighten the connector  by hand; DO NOT use any tools to tighten. If a tool is used to tighten, the threads may be damaged while in use.







Caution: To prevent damage to the O-rings on the fuel hose, lightly apply maintenance grease from time-to-time. Be careful not to grease the hole in the center of the connector.

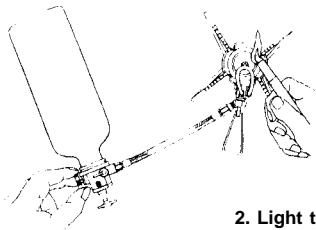
6-2 Lighting the stove, burning and flame control



 When lighting the stove a momentary leaping flame will occur. To avoid possible burns use a long match or lighter. Never place body parts directly above the stove.





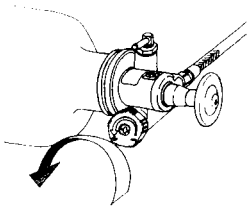
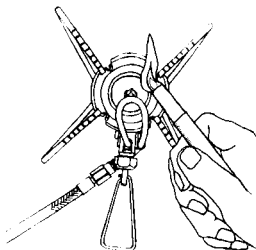
1. Turn the flame control  counterclockwise  until it is completely open.



Caution: Confirm that the Light/cook lever  is in the LIGHT position .





Caution: To prepare for lighting the stove, hold a heat source near the burner head . With the other hand, quickly open the main valve .

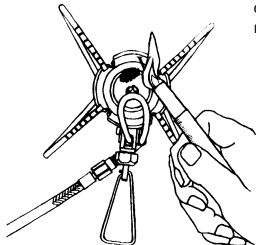
2. Light the heat source and quickly turn the main valve knob  counterclockwise  until fully open. The fuel-air mixture will ignite when the heat source makes contact.




Caution: If the main valve  and/or flame control  have not been fully opened, an inadequate amount of the fuel-air mixture will be released. This may result in a failure of the stove to light.

Caution: When the stove is lighted a leaping flame will be generated. To avoid burns, use a long lighter or match. Never place body parts above the stove.



Caution: If the heat source extinguishes and fails to ignite the stove, turn the main valve  clockwise  to completely close the main valve. Repeated attempts to light the stove will result in gasoline collecting inside the stove. When it ignites an excessive leaping flame will result creating an extreme fire hazard. If gasoline collects inside the stove, turn unit upside down to remove the gasoline. After gasoline has been removed, start the procedure from the beginning.






Caution: At below freezing temperatures the stove may not ignite instantly. Under such conditions preheat the stove by applying a small amount of priming paste or gasoline close to the burner  and ignite the preheating materials (see shaded area in the illustration).

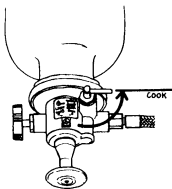
Caution: Confirm that there are no fuel leaks in the connecting and operating parts.



3. The burner flame becomes stabilized 15-20 seconds after lighting the stove. Turn the Light/cook lever  counterclockwise  to the COOK position.

Caution: The flame will not stabilize if the lever is turned counterclockwise to the COOK position  prior to the initial stabilization. Confirm that the lever is turned fully counterclockwise to the COOK position  after the stove is burning with a stable blue flame.

Continuous burning with the lever in the LIGHT position  (turned fully clockwise) will decrease the pressure inside the fuel bottle leading to a reduced output.



4. Pump 10-20 times to re-pressurize the Fuel Bottle.

Caution: When optimal pressure is achieved, the heat generated will change the color of the windscreen to red.



5. Carefully place cookware on the center of the stove and use the flame control to adjust the heat.

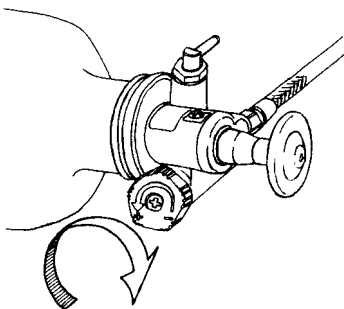
Caution: Thin-walled cookware with non-stick coating may become damaged when used with this stove. Therefore, minimize the heat output of the stove.



Caution: The maximum diameter of cookware to be used with this stove is 230 mm and/or 6 liters volume. Carefully place cookware on the center of the stove to stabilize. If this guideline is not observed, the stove may become unstable resulting in damage to the stove, cookware or the environment.



6. While in operation, monitor the stove for fuel leaks and improper burning conditions. If a problem is discovered, turn off the stove immediately. Wait until the stove has completely cooled prior to performing necessary repair or maintenance.





6-3 Extinguishing the burner flame

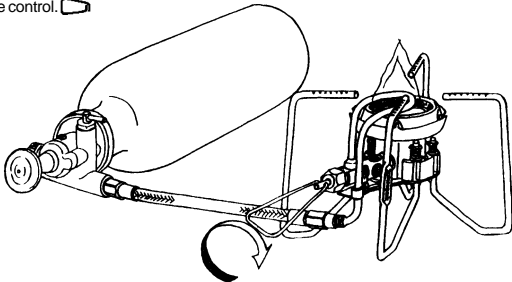
1. Turn the main valve knob  fully clockwise  to cut off the fuel supply.



2. Turn the flame control  fully counterclockwise  to open completely (maximum output position).

3. When the burner flame has been extinguished, turn the flame control  fully clockwise. 

Caution: If the flame control  is closed first, an excessive amount of the fuel-air mixture will become trapped in the fuel hose and/or the generator. If the main valve  is left open and the flame control is closed, do not remove the fuel hose. If the fuel hose is removed under this condition, fuel will spew from the fuel hose creating hazardous conditions. Confirm that the main valve knob  is closed completely and that the remaining fuel is completely burned off. Then close the flame control. 



Caution: After the main valve is closed, the fuel-air mixture remaining in the generator and fuel hose continues to burn. Completely burn off the fuel-air mixture prior to disassembling the stove.





6-4 Disassembly and Storage


1. Wait until the stove has sufficiently cooled down before proceeding with disassembly and storage.

Caution: Stove is extremely hot after use. Use extreme caution to avoid burns.

2. NEVER disassemble or store the stove near a fire or an open flame.


Caution: Do not disassemble or store this stove close to a fire or open flame. A small amount of gasoline may remain in the fuel hose resulting in a potential fire hazard.

3. Confirm that the main valve knob  has been completely closed (turned fully clockwise ) prior to disconnecting the fuel hose from the pump unit. Turn the connector  fully counterclockwise  and carefully remove the fuel hose. Do not skew the angle of the fuel hose when removing.

Caution: Unfasten the connector  by hand. If the screw thread becomes too tight and cannot be loosened by hand, use the Driver wrench to loosen it.

Caution: Turn the screw thread until it becomes loose. If you attempt to remove the fuel hose before the screw thread is completely loose and still partly engaged, the fuel hose and/or the stove may be damaged.

Caution: Carefully remove the fuel hose; do not skew the fuel hose. If the fuel hose becomes skewed, the rubber gasket may become damaged.



4. Allow the compressed air to escape from the fuel bottle. Stand the fuel bottle erect and carefully turn the pump unit counterclockwise  allowing the pressurized air to escape.

Caution: Confirm that there is no fire or an open flame nearby. Such conditions create potential fuel ignition hazards or burns.

Caution: Pressurized air rapidly escapes from the bottle; therefore, keep the bottle away from face and body when unscrewing the pump unit.

5. Carefully remove the pump unit. Use a cloth to wipe off excess gasoline prior to storing.


Caution: Carefully remove the pump unit from the Fuel Bottle to avoid damaging the air pipe and/or mixer. Forceful removal of the pump unit may result in damage. A damaged mixer may hinder the one-touch ignition.

Caution: Return the Light/cook lever  to the LIGHT position  (turned fully clockwise) for future use.

6. Firmly screw the bottle cap to the fuel bottle.

Caution: Confirm that the seal gasket for the bottle cap is free from dust, dirt, and other foreign materials. If the cap cannot be installed smoothly, remove it and try again. Forcefully installing the bottle cap may result in damage to the threads in the bottle cap.

7. Disconnect the fuel hose from the stove. Turn the connector fully counterclockwise . Carefully pull out the fuel hose making sure that it is not skewed.

Caution: Unfasten the connector  by hand. If the screw thread becomes too tight and cannot be loosened by hand, use the Driver wrench to loosen it.

Caution: Turn the screw thread until it becomes loose. If you attempt to remove the fuel hose before the screw thread is completely loose and still partly engaged, the fuel hose and/or the stove may be damaged.

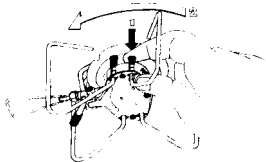
Caution: Carefully remove the fuel hose; do not skew the fuel hose. If the fuel hose becomes skewed, the rubber gasket may become damaged.

8. Drain off excess gasoline from the fuel hose.

Caution: A small amount of gasoline will remain in the fuel hose. Stand the fuel hose on one end and gently shake hose to drain the remaining gasoline completely before placing the protective cap on the fuel hose.

Caution: It is dangerous to disassemble the stove while smoking. Confirm that there is no fire or open flame nearby in order to avoid the hazard of fuel ignition and/or burns.











9. Storing the Pot support on the stove. While pushing down the Pot support spring, flip the Pot support toward the flame control .
























Caution: The Pot support can be moved only when the Pot support spring is pushed down. If the Pot support spring is not pushed down, the stove will be damaged.

10. Store all the components in the storage bag.

7. Troubleshooting

Problem	Possible cause	Remedy
1. The pump unit cannot be installed	Threaded part of pump unit and/or fuel hose has been damaged. Seal gasket has not been properly placed.	Threaded part of pump unit and/or fuel hose has been damaged. Seal gasket has not been properly placed.
2. Unable to smoothly pump the pump unit. Resistant to pumping action.	Pump shaft may be dirty. May be worn, shaft may be bent or damaged.	Remove dirt from the shaft and lightly apply maintenance grease. A worn or damaged shaft must be returned to place of purchase or to Snow Peak for repair.
3. Fuel leaks out of the pump knob  while pumping.	Bottom cap is not properly attached. Ball is worn or damaged. Ball spring is worn or damaged.	Attach the bottom cap properly; replace any parts that have been worn or damaged.
4. Fuel leaks from the seal gasket resulting in reduced pressure.	Pump unit is not firmly tightened in the fuel bottle. Seal gaskets are worn or damaged. Seal gaskets are dirty.	Replace worn or damaged seal gaskets and remove any foreign matter. If the fuel leak persists, do not use the stove.
5. Fuel-air mixture is not ejected from the stove head, even when the main valve knob  is open.	Flame control  is fully open.	Open the flame control  by turning it fully counterclockwise  .
	Fuel bottle is not filled with white gasoline.	Confirm that the white gasoline is not exceeding the Fill Level line.
	Fuel bottle is not pressurized due to lack of pumping.	Pressurize the Fuel Bottle by placing thumb over the hole in the center of the pump knob  and pumping approximately 50 times. In cold weather (i.e., below freezing) gaskets may shrink or contract resulting in reduced pressure. Under such circumstances, pump an additional 20-30 times for optimal pressurization.
	Fuel hose is clogged.	Turn the main valve clockwise  to close. Remove the fuel hose. Turn the main valve  slightly counterclockwise  to determine if the fuel can be injected. If the fuel is not injected from the pump unit, the pump unit has been damaged and must be returned to the place of purchase or to Snow Peak. Connect the fuel hose to the pump unit. Open the main valve  slightly; if the fuel is not injected from the other end of the fuel hose, the fuel hose may be clogged. Replace the fuel hose.


	Generator is clogged.	If discharge of fuel-air mixture from the burner  cannot be ensured, a clogged generator should be suspected. Replace with a new jet.
6. The stove does not ignite even though the fuel-air mixture is ejected.	The atmospheric temperature is too low (below freezing).	In cold weather (temperatures below freezing) preheat the stove by applying a small amount of priming paste or gasoline close to the burner  and ignite the preheating material.
	A fuel other than white gasoline is being used.	The use of fuel other than white gasoline will impede burning. If a fuel other than white gasoline has been used, completely drain the Fuel bottle and the fuel hose. Refill the Fuel bottle with white gasoline. If it becomes necessary to use automobile gasoline, use only for a short period.
7. An unstable, yellow flame occurs after ignition.	Fuel bottle is filled above the Fill Level Line.	The fuel level in the bottle exceeds the Fill Level line. There is not enough fuel in the Fuel bottle. Always fill the Fuel bottle to its maximum capacity (to the Fill Level Line).
	The Fuel bottle has not been adequately pressurized.	Fill the Fuel bottle to the Fill Level Line. Confirm that the white gasoline is not exceeding the Fill Level Line. Pressurize the Fuel bottle by placing thumb over the hole in the center of the pump knob  and pump approximately 50 times. In cold weather (i.e., below freezing) gaskets may shrink or contract resulting in reduced pressure. Under such circumstances, pump an additional 20-30 times for optimal pressurization.
	P-11 O-ring is worn or damaged.	Replace all worn or damaged P-11 O-rings.
	Fuel has accumulated due to repeated attempts to ignite the stove.	Extinguish the stove and remove excess fuel from the bucket.
	The light/cook lever  is not in the LIGHT  position.	Turn the Light/cook lever  to the LIGHT position  before lighting the stove.

8. The windscreen does not become red at maximum heat output. The flame control does not adjust smoothly.	The main valve knob  is not completely open (turned fully counterclockwise ). The flame control  is not completely open (turned fully counterclockwise ). The inside pressure of the Fuel bottle is not optimized.	Completely open the flame control  and the main valve knob  by turning fully counterclockwise  . Pump 20 to 30 times to re-pressurize the Fuel bottle.
	The needle is dirty. The jet is clogged.	If the needle is dirty, remove it using the supplied scotch pad. Clean the clogged jet with the needle. Be careful not to damage the needle while cleaning the jet.
	The burner head  is clogged.	Check for debris such as the residue of boiled-over liquids. Use a cleaning tool such as a wire brush to remove them.
9. Fuel leak near the main valve knob. 	End cap is loose.	If the end cap is loose, tighten it firmly. Replace worn or damaged P-5 O-rings.
10. Fuel leak near the Light/cook lever.	End cap is loose.	If the end cap is loose, tighten it firmly. If the fuel leak cannot be stopped, return the stove to the place of purchase or to Snow Peak for repair. NEVER disassemble the Light/cook lever  unit.
11. Fuel leak near the fuel hose  connector.	Connector is not firmly tightened. S-3 O-ring is worn or damaged.	Securely tighten the connector  by turning it fully clockwise  and replace the S-3 O-ring if it is worn or damaged.
12. Fuel leak near the spindle.	Spindle nut is not firmly tightened. Carbon gasket is worn or damaged.	Observe the leak while gradually turning the spindle nut clockwise  to tighten it.

8. Maintenance

When performing the maintenance measures below, please refer to the illustrations on page 9.

1. Cleaning the burner

While cooking, the burner  may become clogged from the overflowing liquids. Therefore, clean the burner on a regular basis.

Procedure: Remove the flat countersunk head screw M4 located in the center of the burner. Use a wire brush to remove dirt and/or corrosion from the wave and doughnut plates. Be careful to reassemble the stove in the correct sequence. If not reassembled properly, improper burning may result.

2. Greasing the Piston

A high-performance maintenance grease has been used to lubricate the piston. However, with use of the product, wear-and-tear is unavoidable. The shaft may become resistant to pumping as a sign of such wear-and-tear. Therefore, regularly clean and grease the piston.

Procedure: Remove the pump cap's pan-head screw M2.5 and the shaft. Wipe off the soiled grease and apply a thin layer of the supplied maintenance grease on the O-ring and shaft.

3. Inspection of seal gaskets

Over time, the sealing gaskets will deteriorate even if the stove is not being used.

Procedure: Thoroughly inspect the gaskets for signs of deterioration (i.e., cracks). If deterioration is suspected, replace the gaskets, being careful to remove all excess dirt and foreign matter.

4. Inspection of O-rings

Even if the stove is not in use, the O-rings on both ends of the fuel hose will deteriorate over time.



Procedure: Thoroughly inspect the O-rings on either side of the fuel hose for signs of deterioration (i.e., cracks). If deterioration is suspected, replace the O-rings, being careful to remove all excess dirt and foreign matter.

Apply a thin layer of the supplied maintenance grease, then cover with the protective cap after O-rings have been changed.

5. Cleaning the needle

The output power of the stove will decrease when the needle is dirty.

Procedure: If the tip of the needle becomes dirty clean it with the supplied scotch pad.

A clogged jet is cleaned by completely opening the flame control  (turning clockwise .

9. Service and warranty

Snow Peak products are designed to be reliable in the field and to provide many years of satisfaction. In the unlikely event that a product fails to function properly, contact the dealer where the product was purchased or Snow Peak Customer Service. Defective products due to manufacturing will be repaired or replaced at no charge. If the problem is not the result of manufacturing, it will be repaired for a reasonable charge. No warranty is provided for damage or breakage as a result of the following:

1. Deterioration of materials resulting from normal aging.
2. Damage to the product resulting from misuse or careless handling.
3. Damage from retrofitted components.
4. Damage to the product resulting from mishandling as specified in this instruction manual.

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