Be sure to read this entire instruction manual before using this product. Always keep the instruction manual with the product.

# **Instruction Manual**



**FORE WINDS Luxe Camp Stove** 



Listed by CSA





ANSI Z21.72-CSA 11.2-2019 Camp Stove



Model: FW-LS01

This appliance is for use as an outdoor only camp cooking appliance.



### **CARBON MONOXIDE HAZARD**



This appliance can produce carbon monoxide which has no odor. Using it in an enclosed space can kill you. Never use this appliance in an enclosed space such as a camper, tent, car or home.



Improper installation, adjustment, alteration, service or maintenance can cause injury or death. Read the installation, operating and maintenance instructions thoroughly before installing, operating or servicing this equipment.

### **⚠** WARNING

### FIRE OR EXPLOSION HAZARD

If you smell gas:

- 1. Do not attempt to light appliance.
- 2. Make sure appliance is in the off position.
- 3. Extinguish any nearby flame(s).
- 4. Shut off cylinder fuel supply valve if so equipped, or if equipped with a disposable fuel cylinder, disconnect cylinder.
- 5. Leave the area immediately.
- 6. Allow gas to dissipate 5 minutes.
- 7. If gas smell has dissipated from the area, of the appliance, and fuel supply, follow gas connection procedures.
- 8. If you smell gas again, follow steps 1-6 and have appliance serviced.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.

#### FOR YOUR SAFETY

Do not store or use gasoline or other liquids with flammable vapours in the vicinity of this or any other appliance.



**WARNING**: This product and all products that burn gas can expose you to Carbon Monoxide which is known to the State of California to cause birth defect or other reproductive harm. Always use in well ventilated areas. For more information go to www.P65Warnings.ca.gov.

**WARNING**: This appliance must NEVER be used without the drip pan and grate provided with this appliance installed in their proper position. Attempting to cook without these parts in place may cause overheating of the fuel canister, resulting in a fire or explosion.

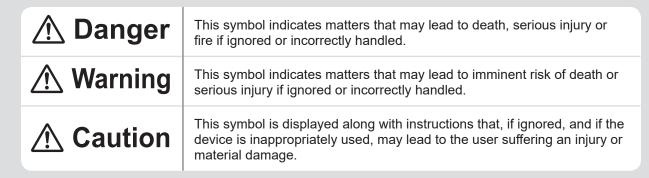


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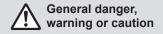
### Be sure to read this Instruction Manual before use.

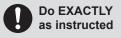
### <Before use>

In order to ensure safe and correct usage of this product as well as to prevent injury or physical damage to you and others, there are many symbols in the instruction manual to explain the product. The symbols and their meanings are explained below. Please ensure you have carefully read and understand the content before reading the main text.



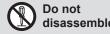
### <These symbols have the following meanings>



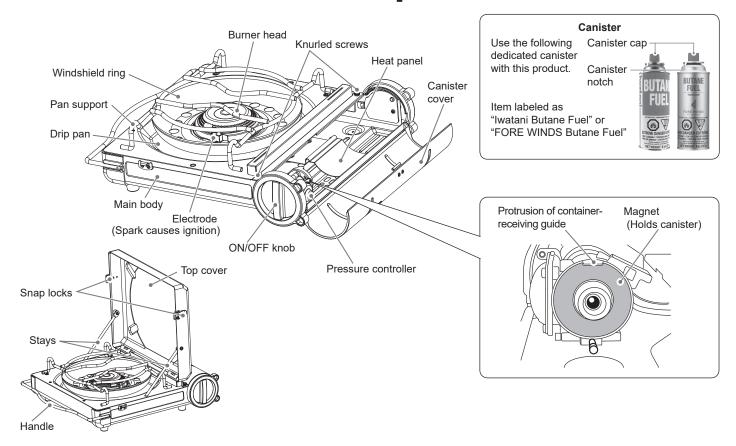








# Names and uses of parts



### Features of this product

#### Heat panel to accelerate the vaporization of gas

As the vaporization of gas progresses during combustion, the temperature drops, the heating power weakens, and it becomes impossible to use all the gas in the canister.

To prevent this, a moderate amount of heat from the flame of the burner during combustion is transferred to the canister to accelerate the vaporization of gas, which maintains the heating power so that all the gas can be used up. This makes the canister slightly warm, but this is not a problem.

#### Detachable canister with magnet

The canister is installed using the magnet instead of a lever. This makes it difficult to install an incorrect or faulty canister.

#### Pressure sensor safety device

If the pressure (temperature) inside the canister becomes abnormally high (about 104°F/40°C or higher), the canister is detached automatically, and the flame is extinguished.

•When the pressure sensor safety device has been activated, return the ON/OFF knob to the "OFF" position, and then remove the canister from the main unit. Next, carefully read "Usage precautions" (from page 6 through 8) and remove the cause of the problem. Next, either reinstall the canister after it is been cooled by water or install a new canister before using the product again.

### ■ Preparations (About the carrying case)

#### Remove the stove from the carrying case.

Place the carrying case in a location in which is not affected by heat. (Wait until the stove has cooled before storing it.)
 Never use the stove while it is inside the carrying case, because the carrying case will deform or melt.

### **Specifications**

Product name		FORE WINDS Luxe Camp Stove		
Model number		FW-LS01		
Ignition type		Piezoelectric		
Safety features		Pressure sensor safety device (Detachable canister model)		
		Canister installation safety device		
Maximum external dimensions	rnal closed   14.9"/380 mm (W) × 12.9"/329 mm (D) × 4.3"/110			
Unit weight		Approx. 6.17 lbs/2.8 kg (canister not included)		

Output (gas consumption)	12,000 BTU/hr (3.5 kW) (at an air temperature of 68-77°F/20-25°C)			
Continuous combustion	Approx. 64 minutes (Actual value when completely using a new canister at maximum power. Air temperature of 68-77°F/ 20-25°C.)			
Canister	Dedicated canister labeled as "Iwatani Butane Fuel" or "FORE WINDS Butane Fuel"			
Pot available to use	Diameter of bottom of pot should be less than 9.5"/24 cm. (The outside of pot should not touch the canister cover) Diameter of bottom of small pot should be more than 6"/16 cm.			

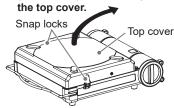
### ■ Preparation and advance checks

If the top cover is secured, it becomes a simple windbreak. However, this limits the size of usable cookware. You can also remove the top cover before use.

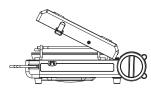
#### [Removal method]

Attach the top cover by reversing this procedure.

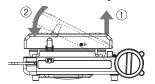
• Release the snap locks
(2 locations), and then open



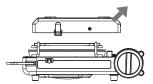
2 Tilt the top cover to about 45°.



- Next, lift the top cover about 0.4"/1 cm,
  - (2) set it horizontally.



O Pull up the top cover in the direction of the arrow.

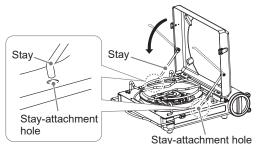


### [Securing method]

- Release the snap locks (2 locations), and then open the top cover.
- Pull out the stays that are attached to the front and rear of the top cover. While lightly pushing the top cover backward, insert the stays into the stay-attachment holes.

The stays are hot after use, so allow it to cool before storing.

- Pots roughly 9.5"/24 cm in diameter can be used. Cookware that becomes unstable or contacts the top cover cannot be used, even when it is within this size.
- Move the stove so that the top cover blocks the wind. If the stove is aligned incorrectly, the wind may increase the flame, and the stove may be damaged by fire.







#### Always use a fuel canister labeled as "Iwatani Butane Fuel" or "FORE WINDS Butane Fuel"

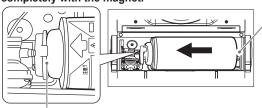
### ■ Installing canister

Install a canister following the procedure below.

Be aware that if a canister is installed incorrectly, unexpected dangers may result.

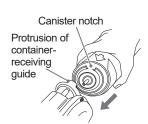
Before attaching a canister, either remove the top cover or secure the top cover with the stays.

- 1 Open the canister cover.
- ② Turn the ON/OFF knob in the "OFF" direction until it stops.
  - If the ON/OFF knob is not in the "OFF" position, the canister installation safety device is activated, and the canister cannot be installed.
- Make sure no foreign objects have adhered to the magnet.
- Remove the canister cap of the canister.
- Place the canister on the heat panel and align the canister notch with the protrusion of containerreceiving guide.
- As shown in the illustration to the right, place your hand near the top of the canister, slide the canister horizontally, and push it until it fits completely with the magnet.



Install the canister securely so that there is no gap between the magnet and canister.



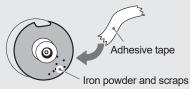


When using "Iwatani Butane Fuel" When the canister has been installed correctly, there is a gap of about 2.2"/5.5 cm at the back end of the canister.

The canister installation section is designed to move with some "play". This gap does not indicate a problem, so please use this product with peace of mind.

### When foreign objects have adhered to the magnet

If iron scraps or powder have stuck to the magnet, a gas leak may occur or it may not be possible to install the canister. If foreign objects have stuck to the magnet, use adhesive tape to remove them.



When it is difficult to install the canister (because force is required), apply a thin coat of vegetable oil to the tip of the canister (Part (A) in the illustration below).

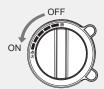


A Application location for vegetable oil

After the canister has been installed, close the canister cover.

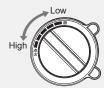
### ■ Ignition, adjusting the heating power, and extinguishing the flame

Ignition

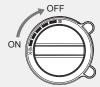


Turn the ON/OFF knob in the "ON" direction until it clicks. Make sure the flame was lit.

 If there is no flame, return the ON/OFF knob to the "OFF" position, and then try again.
 It may be difficult to light the product upon first use or when the temperature of the canister is low. With caution, repeat the ignition operation several times. 2 Adjusting the heating power



Turning the ON/OFF knob in the "ON" direction increases the heating power, while turning in the "OFF" direction decreases it. Extinguishing



Turn the ON/OFF knob in the "OFF" direction until it stops.

- •When using low heat, always check the flame as it is difficult to see.
- •Be aware that if the flame is lowered too much, it is more likely to be extinguished by wind.

## 



When the top cover is closed, do not attach a canister, and ignite the stove

(Otherwise, a gas leak or unexpected accidents may occur)





### ■ After use (steps after extinguishing the flame)

1 Make sure the flame is out completely

 Just after the flame is extinguished, both the main unit and the canister will be hot.
 Wait until they cool down. Remove the canister

•Always remove the canister.
Otherwise, appliance failures or gas leaks may occur.

glignite a flame after the canister has been removed

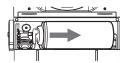
•A small amount of gas remains in the piping of the main unit. To prevent danger, perform ignition one time to burn off the remaining gas.



### ■ Removing the canister after use

After use, always remove the canister, put on the canister cap, and then store the canister.

Open the canister cover. While holding the canister, apply a small amount of force in the direction opposite the installation direction to remove it from the magnet.



2 Put the canister cap on the removed canister.

3 Close the canister cover.

### ■ Handling after use

Make sure that the canister is not inside the canister cover, and then attach the top cover.

Attach the top cover by reversing the procedure of "Removal method" (page 4). ② Close the top cover.

**3** Lock the snap locks.

 If the snap locks are not locked, the top cover may open, which may cause stove damage, burns, or other unexpected accidents.

### **■** Storage

After the equipment has cooled sufficiently, store it in a low-humidity location.

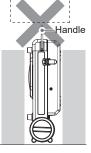
- •When the stove is being moved, it can be stood up temporarily.
- •We recommend storing the stove with the feet on the bottom. If the stove will be stored standing up, it will be unstable, so place it in a space in which it will not fall over, such as between two items. Furthermore, do not place items on the top section (handle side). Otherwise, the stove may be damaged.
- Before long-term storage, refer to "When the product is not used for a long time" (page 9).

Store the stove with the feet facing down



(When storing the stove standing up)

- Do not place items on the top section (handle side).
- Store the stove so it does not fall over



•If the unit is exposed to rain or snow you may have trouble lighting the burner until the burner ports are clear of water and the spark electrode is totally dry. To protect against burner ignition problems due to water accumulation, the storage box also serves as a rain guard when the stove is left outdoors and exposed to the elements.

Never leave the stove outside without first storing it in the storage box provided. Remove butane canister before storage.

# **Usage precautions**

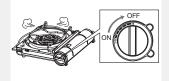
## ♠ Danger



### If you notice a gas leak, extinguish the flame immediately

(Ignition may cause an explosion)

- If gas leaks, a gas odor (like a rotten onion) will be emitted. Butane gas is heavier than air and collects at the bottom. Perform the following steps immediately. Do not use fire while gas is leaking.
- ♠ Extinguish the flame immediately. (Set the ON/OFF knob to the "OFF" position)
- **2**Remove the canister.



### ■Usage location and circumstances

## 



### Never use this product in the following locations

(Otherwise, fires, explosions, fatal accidents, and burns will occur)

 Do not use this product in cramped places or poorly ventilated places



Never use this product inside a tent or a vehicle. During use, a large amount of oxygen is consumed, which may cause death by suffocation due to a lack of oxygen and carbon monoxide poisoning. Also, nearby combustibles may ignite and start a fire.

 Do not use this product in a location in which the canister will become overheated



Do not use this product in a location in which the canister will become overheated by sunlight, such as on sandy beach or asphalt in the summer.

•Do not use this product in a vehicle or in unstable locations



If the main unit is tilted or moved during use, the flame may become larger and cause injury or fire. There is also danger of the main unit tipping over. Use the product in stable flat locations so it does not shake, tip, or move.

•Do not use this product near fire or heat



Keep the product 6 ft/2 m or more away from fire.

•Do not use this product in strong wind

If this product is used in strong wind, the flame of the burner may be drawn into the main unit, which may cause an accident or damage to the main unit.  Do not use the product near canisters, hairspray, and other combustibles, or cloth, paper, or other items that are easily burned



## **⚠** Caution



Do not use the product in a location that applies radiant heat or physical effects on the canister or stove, such as by sand or pebbles or grass or plant stubble under the main unit

(Heat radiation will worsen, the main unit will burn out, and the canister will overheat, which may cause an explosion)



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Do not use the product on a rug, tablecloth, or other heat-sensitive material

(This may cause deformation or discoloration)



Do not use the product in the location in which air or smoke is sucked up from the base of the main unit (such as a table with a smokeless roaster)

(This may cause abnormal combustion)

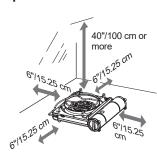


Do not use the product in a location in which there is danger of falling objects (You may be burned by fire or falling cookware)



To prevent accidents, install the product with the necessary space

During use, keep the product 6"/15.25 cm or more from furniture, walls (in a wooden building), and other combustibles. Allow 40"/100 cm or more above this product from ceilings, shelves, electric appliances, and other combustibles.



### **■**Before use

## **Marning**



Do not insert objects (such as pebbles or bundles of cardboard) between the bottom of the canister and the main unit

(The pressure sensor safety device will no longer activate, which may cause the canister to explode)



Never put anything between the space



Always make sure there are no gas leaks or other problems with ignition or extinguishing operations before use

Never use a product that you believe has failed or been damaged.



Install the canister securely

(Otherwise, gas may leak and cause a fire)

## **∕** Caution



- Do not use the product on a carpet or other heat-sensitive materials
- Do not install items that obstruct air flow



When you use this product on a heat sensitive table, check the heat resistance temperature and handling cautions of the table and determine whether usage is advisable

(During use, the bottom of the main unit becomes very hot, and the table may be cracked, deformed, damaged, or burned)

### **■**During and after use

## **Marning**



### Never use this product in the following ways

(The interior of the main unit or canister will overheat, which may cause an explosion)

Do not heat empty cookware

 Do not use two or more units of this product side-by-side





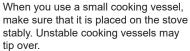
 Do not use or store this product on another source of heat (electric cooking stove, induction cooker, etc.)



 Do not use this product to burn charcoal or for other similar uses



- Do not use the product with the drip pan removed (Doing so may cause the canister to overheat and explode)
- Do not use large cookware (such as an iron plate) that erroneously covers the canister cover





 Do not use utensils made of stone, sand, or ceramic that cook by thermal storage



Do not use cookware with strong radiant heat



Do not load very heavy pots or pans or apply heavy loads

When using the stove, do not apply a load (total weight of cookware and food) to the pan support that will exceed 11lbs/5 kg. (Otherwise, deformations may cause unexpected accidents)



## Do not use this product for purposes other than cooking

(Overheating, abnormal combustion, and other problems may cause burnout or fire)



Do not leave the product unattended while it is in operation

Stay near this product when it is on. Always make sure the flame has been extinguished before leaving the room or going to bed. In case of a phone call or visit, switch off the product.



Do not tilt or move the product while it is in operation

(If the product is tilted, it will cause burns or fires)



Do not use this product for drying clothes or as a heater

(Otherwise, falling clothes and other problems may cause a fire)





## Do not allow children to use this product

Do not allow children to use this product and keep this product out of the reach of children.



Do not use the product while inside its carrying case

In addition, do not stow the stove while at high temperature immediately after extinguishment

(The case may deform due to the heat, or cause fire or burn injuries)

## **⚠** Warning



## Keep your head and hands away from the burner head

(Fire may cause an burns)



### Ventilate during use

Pay careful attention to ventilation.



## When the stove does not ignite on the first attempt, be careful of ignition

Before igniting the second time, make sure there is no smell of gas. The escaped gas may cause a fire. Wait at least 1 minute before retries.



#### After use, remove the canister

After use, always remove the canister from the main unit to prevent fire. If this product is stored with the canister still installed and something turns the ON/OFF knob, there is the potential of a gas leak or ignition, which is extremely dangerous.



#### Never modify or disassemble this product

(Disassembly could cause unexpected circumstances, such as death from carbon monoxide poisoning or a gas leak, failure, or fire)



During and for some time after use, do not touch other than the ON/OFF knob

(You may be burned if you touch other parts)



## Carry out the following procedure during abnormalities or emergencies

Examples of abnormalities) Strange noises or smells, red flame etc.

- Set the ON/OFF knob to the "OFF" position to extinguish the flame.
- Remove the canister from the main unit. (page 5)
- **©** Follow "Troubleshooting" (page 10).



While stove is in use, periodically check to see the flame is visible

### ■ Handling the Canister

Instructions and warnings expressed on the canister should be read thoroughly. Before using, remove the canister cap. Before storing the canister, replace the canister cap.



## Warning

Be sure to follow the instructions below to avoid the risk of fire or explosion.



## Do not put the canister near a heat source

Do not put the canister in a place near a heat source. The pressure inside the canister may cause the canister to explode.

avoid flames and direct sunlight

When storing the canister,

Keep the canister with canister cap



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## Do not throw the canister into a fire

Do not throw the canister into a fire. It will cause an explosion.



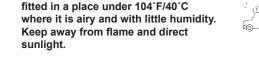


#### Proper disposal of canister

- Empty canister should be disposed of according to the rules and regulations of your city/town. Make sure can is completely empty before disposing of it.
- Shake the canister, if there is liquid still inside, please use it up before disposing.









## **∕** Caution



#### Please use dedicated canister

Please use dedicated canister marked with "Iwatani Butane Fuel" or "FORE WINDS Butane Fuel". If other canisters are used, it may cause gas leak or abnormality of operation.



#### Inhalation risk

Do not intentionally suck gas from the canister, as this may lead to suffocation or death due to lack of oxygen.



#### Do not subject the canister to strong impacts

The canister may become damaged or ignite due to a gas leak if it suffers an impact from a falling object.



### Do not use deformed canisters

(Doing so may lead to a gas leak)



Inspect stored canisters from time to time, always check that rusting canisters are free from gas leaks, and use them as soon as possible

\*Even if a canister does not exhibit rusting, do not use a canister that has been stored for an extended period (more than 6 or 7 years as a rough guide).



# Maintenance and inspection after use

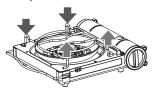
### ■ Cautions during inspection and maintenance

Inspect and maintain the product after use.

- •To protect your hands and fingers, always wear gloves.
- Do not wash this product as a whole.
- If water enters the gas line, gas will no longer come out, which may cause rust.
- Always remove the canister before inspections and maintenance.
- Wait until the main unit has cooled down before inspecting and maintaining the product.
- Never disassemble the gas line section.
- If there is a spillover during use, please clean burner.

#### ■ Maintenance of the drip pan

• Using the rear side of the pan support as an axis, lift the front side.



Wait until the stove has cooled.

While supporting the pan support, wipe away stains on the drip pan, windshield ring, and other sections.



#### [Removal method]

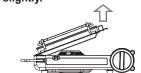
The drip pan can be removed while cleaning the inside of the stove.

You can also remove the windshield ring by releasing the clip on the rear side of the drip pan.

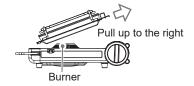
1 Remove the knurled screws (2).



2 Lift the right side of the drip pan slightly.



After the burner comes out from the hole of the drip pan, pull the drip pan up to the right.



#### [Attachment method]

Reverse the removal procedure.

•After aligning the screw holes of the main unit and the drip pan, tighten the knurled screws.

### ■ Maintenance of other parts

Inspection	Maintenance method	Precaution		
Spillovers of food or liquid	Wipe off the spillover with a dry cloth. If the stain is obstinate, please use mild detergent. And wipe off totally with dry cloth.	Moisture and spillovers may cause malfunction, rust or failure. Please clean inside and outside frequently. Do not move electrode or flame rod.		
If burner ports are blocked	Clean with a brush and/or small needle. (Do not move electrode or flame rod.)	It may cause incomplete ignition or irregular flames. Please clean burner frequently.		
Food particles on electrode (burner won't ignite)	Please remove particles from electrode with dry cloth. (Do not move the electrode.)	If there is a stain on electrode, it may cause hindered ignition.  During maintenance, if the ON/OFF knob rotates to "ON" position, it may cause electric shock.		
Food residue on stove	Please wipe off with dry cloth. If the stain is set, use mild detergent with water and then dry.	Do not use thinner, gasoline, polishing powder, nylon brush or metal brush. This may cause damage to the machine.		

#### ■When the product is not used for a long time

- •Confirm there are no food particles causing blockage and the unit is dry.
- Separate the canister from the unit. Do not store when these two products are connected.
- •When this product cools down, put into carrying case and store in a dry place. Never leave the unit outdoors without it being in the carrying case.
- Please perform regular inspection and maintenance to prevent product from rusting.
- •Do not use any lubricants on this product.

## ■ Cautions regarding time-related deterioration of this product

Rubber parts are used in the gas connection opening of this product. Regardless of frequency of use, rubber parts deteriorate over time. Please consider replacing this product 10 years after manufacture.

•The manufacture date is listed on the rating plate.

# Warranty and Repair

### **■ LIMITED WARRANTY INFORMATION**

To view our limited warranty information, visit our website at www.iwatani. com/product-warranty, call us at 1-713-965-9970 or mail a written request including your name and return mailing address to:

Iwatani Corporation of America ATTN: Product Warranty Request

2200 Post Oak Blvd., Suite 1150 Houston, TX 77056.

### ■ REPAIR (Out of Warranty)

Refer to the section "Troubleshooting" (page 10) and check the product again. If your product is malfunctioning, contact us through www.iwatani.com/contact or at 1-713-965-9970 with following information:

- •Your name, address and daytime phone number
- •Product name and model number (on the rating plate)
- •Description of the problem (in as much detail as possible)

# **Troubleshooting**

In the event of an unexpected malfunction, troubleshoot by using the following information.

using the following information.						
Issue	Course		Remedy Solution			
		Cause	<u> </u>	Solution		
Canister cannot be installed		nere any deformation or ping on the main unit?	•	Request an inspection and repair.		
Remedy 12341112		re iron scraps or powder ered to the magnet?	•	Remove the iron scraps or powder using adhesive tape.		
Difficult to ignite  ⇒ Remedy 4 5 6 7 8 9	3 Is th	e ON/OFF knob set to "ON"?	<b>•</b>	Set the ON/OFF knob to "OFF".		
Cannot ignite  → Remedy 5 6 7 8 9 10 11 12 13 15 16		canister made by another npany being used?	<b>•</b>	Use a dedicated Iwatani canister.		
Burner would not stay lit		the gas run out? nere little gas remaining?	<b>•</b>	Replace with a new canister.		
→ Remedy <b>5 7 10</b> Flames around the		re stains or moisture stuck ne electrode section?	•	Wipe away the stains or moisture.		
electrode is red  → Remedy 17		ne burner flame opening gged?	<b>•</b>	Use a metal brush or other similar item to remove the clog.		
Burns with a yellow flame		ne ignition operation ng performed correctly?	<b>•</b>	Perform the ignition operation correctly. (page 5)		
Remedy 7 10	9 The	ON/OFF knob may have	<b>•</b>	Request an inspection and repair.		
Flame is unstable  → Remedy 7 10	10 The	gas duct (nozzle) may	<b>•</b>	Request an inspection and repair.		
Flame is irregular	De C	Has the pressure sensor  safety device been activated?  Reset the original pressure sensor	Depart the device following (is When the			
→ Remedy 7  Heating power is low			•	Reset the device following "• When the pressure sensor safety device has been activated" (page 3).		
Remedy 5 7 10 14  There is a gas odor		ne canister installed rectly?	<b>•</b>	Install the canister correctly. (page 4)		
⇒ Remedy 4 8 9 12		ignition device may e failed.	<b>•</b>	Request an inspection and repair.		
Flame goes out during use  ⇒ Remedy 5 10 11	14 Is the fully	ne ON/OFF knob opened	<b>•</b>	Open the ON/OFF knob fully.		
Flame does not go out  ⇒ Remedy		ne spark jumping from electrode to the burner?	<b>•</b>	When the spark is not jumping from the electrode to the burner, adjust so that the distance between the electrode tip and burner is about 3 mm, and the flame opening is centered.		
Gas leaks even when the ON/OFF knob is "OFF"  → Remedy 4 9 12	16 Is ti	ne spark jumping?	<b>•</b>	If the spark is not jumping, stains or water drops have stuck to the white section of the electrode (ceramic). Wipe away the stains or moisture.		
A popping sound occurs during extinguishing  → Remedy    ■ Remedy  ■ Remedy   ■ Remedy				red during the first use after purchase. isappears. Continue to use the product as is.		
Flames burn away	18 Asc	ound during extinguishing i	s no	t a problem. Continue to use the product as is.		
from the burner  ⇒ Remedy	19 This	s is not a problem. Turn do	own	the ON/OFF knob slightly for 2 to 3 minutes.		