

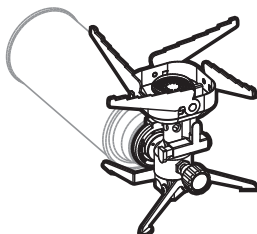
Be sure to read this entire instruction manual before using this product.
Always keep the instruction manual with the product.



FORE WINDS
SAVOR YOUR ADVENTURE

Instruction Manual

FORE WINDS Compact Camp Stove



Listed by CSA



Model: FW-CS01

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

ANSI Z21.72-CSA 11.2-2019 Camp Stove


 DANGER 	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.								
 Warning	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.								
<div data-bbox="691 1093 901 1137"> WARNING</div> <div data-bbox="132 1131 603 1164">FIRE OR EXPLOSION HAZARD</div> <div data-bbox="132 1169 368 1205">If you smell gas:</div> <div data-bbox="132 1207 1458 1473"><table><tbody><tr><td>1. Do not attempt to light appliance.</td><td>5. Leave the area immediately.</td></tr><tr><td>2. Make sure appliance is in the off position.</td><td>6. Allow gas to dissipate 5 minutes.</td></tr><tr><td>3. Extinguish any nearby flame(s).</td><td>7. If gas smell has dissipated from the area, of the appliance, and fuel supply, follow gas connection procedures.</td></tr><tr><td>4. Shut off cylinder fuel supply valve if so equipped, or if equipped with a disposable fuel cylinder, disconnect cylinder.</td><td>8. If you smell gas again, follow steps 1-6 and have appliance serviced.</td></tr></tbody></table></div> <div data-bbox="132 1485 1345 1559">Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.</div>		1. Do not attempt to light appliance.	5. Leave the area immediately.	2. Make sure appliance is in the off position.	6. Allow gas to dissipate 5 minutes.	3. Extinguish any nearby flame(s).	7. If gas smell has dissipated from the area, of the appliance, and fuel supply, follow gas connection procedures.	4. Shut off cylinder fuel supply valve if so equipped, or if equipped with a disposable fuel cylinder, disconnect cylinder.	8. If you smell gas again, follow steps 1-6 and have appliance serviced.
1. Do not attempt to light appliance.	5. Leave the area immediately.								
2. Make sure appliance is in the off position.	6. Allow gas to dissipate 5 minutes.								
3. Extinguish any nearby flame(s).	7. If gas smell has dissipated from the area, of the appliance, and fuel supply, follow gas connection procedures.								
4. Shut off cylinder fuel supply valve if so equipped, or if equipped with a disposable fuel cylinder, disconnect cylinder.	8. If you smell gas again, follow steps 1-6 and have appliance serviced.								
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.									




Table of contents

Names and uses of parts	3-
• Specifications	3
• Ignition, adjusting the heating power, and extinguishing the flame	5
Usage precautions	6-
• Handling the Canister	8
Maintenance and inspection after use	9
Warranty and Repair	9
Troubleshooting	10

Be sure to read this Instruction Manual before use.

<Before use>

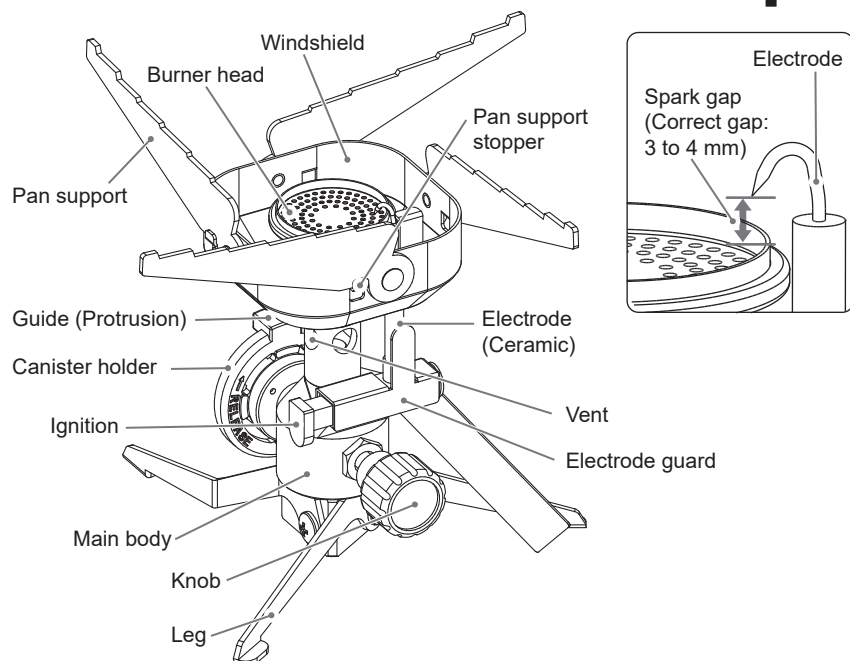
In order to ensure safe and correct usage of this product as well as to prevent injury or physical damage to you and others, there are many symbols in the instruction manual to explain the product. The symbols and their meanings are explained below. Please ensure you have carefully read and understand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

 Danger	This symbol indicates matters that may lead to death, serious injury or fire if ignored or incorrectly handled.
 Warning	This symbol indicates matters that may lead to imminent risk of death or serious injury if ignored or incorrectly handled.
 Caution	This symbol is displayed along with instructions that, if ignored, and if the device is inappropriately used, may lead to the user suffering an injury or material damage.

<These symbols have the following meanings>



Names and uses of parts



Canister

Use the following dedicated canister with this product.

Canister cap

Canister notch
(for preventing
canister from fitting
in a wrong direction)



Item labeled as "Iwatani Butane Fuel" or
"FORE WINDS Butane Fuel"

■ Preparations

Remove the stove from the EVA storage case and assemble it.

- When using the product, place the EVA storage case in a location in which will not be affected by heat.
After use, wait until the stove has cooled before storing the stove in the EVA storage case.

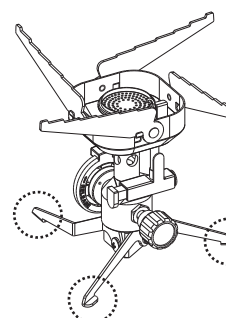
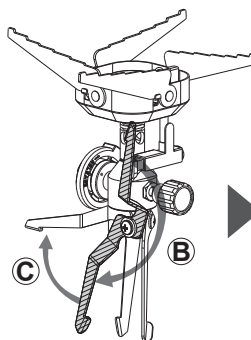
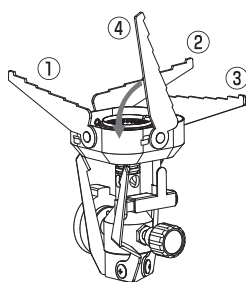
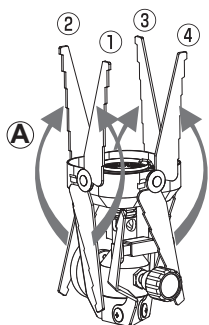
[Assembly method]

- ❶ Hold 4 pan supports up position toward ① direction.

- ❷ In order from ❶ through ❹, lower the pan supports and set them in the pan support stoppers.

- ❸ Hold 3 legs down to ❷ direction.
Hold up each leg to ❸ direction until stopped.

- Make sure that 3 legs are pointing in the correct direction.
Each foot base needs to face ground.



Correct direction

Wrong direction

Specifications

Product name		FORE WINDS Compact Camp Stove
Model number		FW-CS01
Ignition type		Piezoelectric
Maximum external dimensions	in use	6.1"/155 mm (W) × 6.1"/155 mm (D) × 5.0"/127 mm (H)
	folded	3.2"/82 mm (W) × 6.6"/68 mm (D) × 4.3"/109 mm (H)
Unit weight		Approx. 0.6 lbs/274 g (canister not included)

Output (gas consumption)	9,200 BTU/hr (2.7 kW) (at an air temperature of 68-77°F/20-25°C)
Continuous combustion	Approx. 108 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"
Also includes	EVA storage case, Instruction manual
Pot available to use	Diameter of bottom of pot should be less than 6.3"/18 cm.

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

■ Installing canister

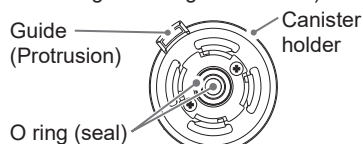
Install a canister following the procedure below.

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

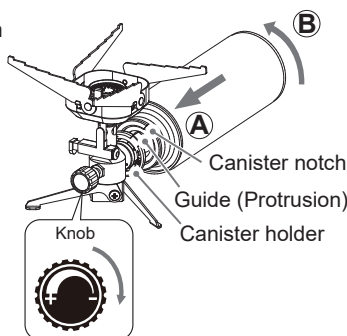
- ❶ Make sure that there is no source of ignition nearby.
- ❷ Turn the knob towards the minus (-) symbol direction all the way and make sure that it is closed.
- ❸ Remove the canister cap of the canister.
- ❹ Make sure that the guide (protrusion) is in the correct guide position.

■ Correct guide position

(When installing/removing the canister)



- If the guide (protrusion) is in the wrong position, the canister cannot be installed.

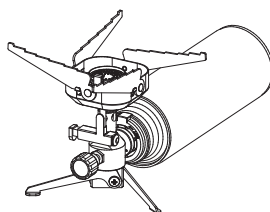


- ❺ Align the guide (protrusion) of canister holder with the canister notch of canister. Turn the canister in the direction ⑥ around 45 degree, while pushing the canister to the direction ⑤.

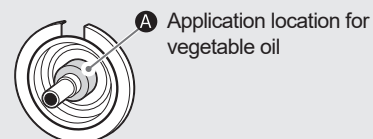
- ❻ Make sure that the canister is installed correctly. (The guide (protrusion) is upper position)

- After installing the canister, if you discover a hissing sound from the attachment point indicating gas leakage or smell gas, remove the canister. Remove any dust attached to the joint if present, and re-install the canister.

With canister attached



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 ⑤ in the illustration below).



⚠ Caution



Install the canister correctly

If the canister is installed tilted, liquid gas may enter the main unit, which may cause the flame to become larger during ignition. Install the canister horizontally.



Do not twist with excessive force when attaching or removing a canister

Excessive force will damage the canister holder.

Notice

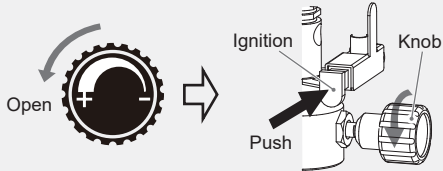
The following canisters can be used with this product:
Iwatani Butane Fuel and FORE WINDS Butane Fuel.

Because of the difference of the outer diameter of the canister, a slight amount of rattling occurs on tables and other flat surfaces, but this does not indicate a malfunction.

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

① Ignition

Turn the knob towards the plus (+) symbol direction around one-third of the way and immediately push the ignition.



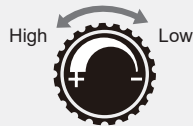
- If it is not lit, immediately return the knob to the minus (-) symbol direction to the end and then try again. It may be difficult to light the stove upon first use or when the temperature of the canister is low/high. Turn the knob towards the minus (-) symbol direction slightly and repeat the ignition process several times carefully.



- If the stove is used for a long time, vaporization heat may cool the canister and lower the heating power. Use a canister that was stored in a warm location of 104°F/40°C or less and use a new canister whenever possible.
- At high elevations, the atmospheric pressure will make ignition more difficult. To prepare for such conditions, we recommend bringing matches or a lighter (not an electronic ignition type).

② Adjusting the heating power

Turning the knob towards the plus (+) position increases the heating power, while turning towards the minus (-) position decreases it.



- 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.

③ Extinguishing

Turn the knob towards the minus (-) symbol direction all the way.



⚠ Caution



Do not ignite the stove when spray gas is being emitted near the stove

Spray gas may cause the flame to grow larger. Shut off the knob, and then wait a while before reigniting the stove.



Remove stains on and around the burner head and electrode

Stains will cause ignition problems.

■ 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.

② Remove the canister

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

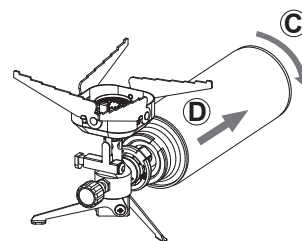


■ Removing the canister after use

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

- ① Turn the canister to © direction until the end, and slide it horizontally to ④ direction.

- ② Put the canister cap on the removed canister.



- 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

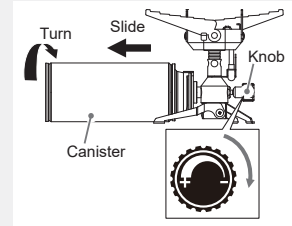
(Ignition may cause an explosion)

- 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.

❶ **Extinguish the flame immediately.**

(Turn the knob towards the minus (-) symbol direction all the way)

❷ **Remove the canister.** (Turn the canister in the direction of arrow all the way and slide it away)



■ Usage location and circumstances

Warning



Never use this product in the following locations

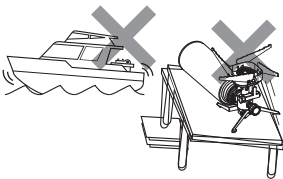
(Otherwise, fires, explosions, fatal accidents, and burns will occur)

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



This product is for outdoor use only. 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 vehicle or in unstable locations**

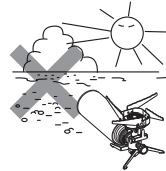


If the main unit is tilted or moved during use, the flame may become larger and cause injury or fire. There is also danger of the main unit tipping over. Use the product in stable flat locations so it does not shake, tip, or move.

- **Do not use this product in strong wind**

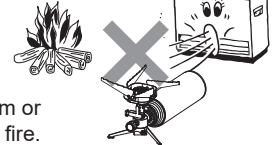
The windshield is not intended to block wind completely. If this product is used in strong wind, the main unit may tip over or the flame of the burner may be drawn into the main unit, which may cause an accident or damage to the main unit.

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



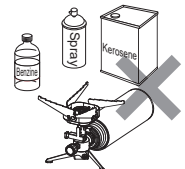
Do not use or leave this product in a location in which the canister will become overheated by sunlight, such as on sandy beach or asphalt in the summer.

- **Do not use this product near fire or heat**



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

- **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)



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)

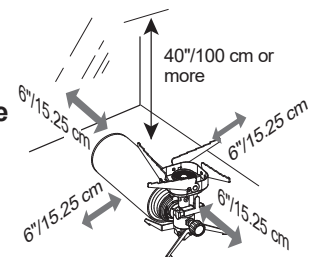


Do not use the product in a location in which there is danger of falling objects
(You may be burned by fire or falling cookware)



To prevent accidents, install the product with the necessary space

During use, keep the product 6"/15.25 cm or more from combustibles. Keep a space of 40"/100 cm or more above this product.



■ Before use

Warning



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

Warning



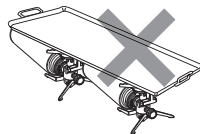
Never use this product in the following ways

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

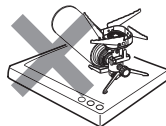
● **Do not heat empty cookware**



● **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 large cookware (such as an iron plate) that erroneously covers the canister**

When you use a small cooking vessel, make sure that it is placed on the stove stably. Unstable cooking vessels may tip over.



● **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 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. Heating of an empty cooking vessel, tipping over of the main unit will cause unexpected accidents.



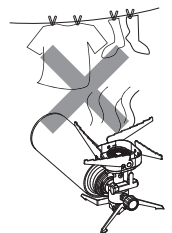
Do not tilt or move the product while it is in operation

(Butane gas in liquid form will flow into the main unit, which will cause abnormal combustion and result in a larger flame. Never move the product during use)



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 EVA storage 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)



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 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 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.

① Turn the knob towards the minus (-) symbol direction all the way to extinguish the flame.

② Remove the canister from the main unit. (page 5)

③ 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.

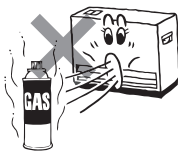
Warning

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.



When storing the canister, avoid flames and direct sunlight

Keep the canister with canister cap fitted in a place under 104°F/40°C where it is airy and with little humidity. Keep away from flame and direct sunlight.



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.

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 knob rotates towards the plus (+) symbol direction, 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 EVA storage case and store in a dry place. Never leave the unit outdoors without it being in the EVA storage 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.

Issue	Remedy	
	Cause	Solution
Canister cannot be installed → Remedy 1 2 4 11	1 Is there any deformation or warping on the main unit?	▶ Request an inspection and repair.
Difficult to ignite → Remedy 4 5 6 7 8 9	2 The guide (protrusion) of the canister holder is out of position.	▶ Return it to the correct position. (page 4) 
Cannot ignite → Remedy 5 6 7 8 9 10 11 12 14 15	3 Is the knob open?	▶ Turn the knob towards the minus (-) symbol direction all the way and make sure that it is closed.
Burner would not stay lit → Remedy 5 7 10	4 Is a canister made by another company being used?	▶ Use a dedicated Iwatani canister.
Flames around the electrode is red → Remedy 17	5 Has the gas run out? Is there little gas remaining?	▶ Replace with a new canister.
Burns with a yellow flame → Remedy 7 10	6 Have stains or moisture stuck to the electrode section?	▶ Wipe away the stains or moisture.
Flame is unstable → Remedy 7 10	7 Is the burner flame opening clogged?	▶ Use a metal brush or other similar item to remove the clog.
Flame is irregular → Remedy 7	8 Is the ignition operation being performed correctly?	▶ Perform the ignition operation correctly. (page 5)
Heating power is low → Remedy 5 7 10 13	9 The knob may have failed.	▶ Request an inspection and repair.
There is a gas odor → Remedy 3 4 8 9 11	10 The gas duct (nozzle) may be clogged.	▶ Request an inspection and repair.
Flame goes out during use → Remedy 5 10	11 Is the canister installed correctly?	▶ Install the canister correctly. (page 4)
Flame does not go out → Remedy 9	12 The ignition device may have failed.	▶ Request an inspection and repair.
Gas leaks even when the knob is closed all the way → Remedy 4 9 11	13 Is the knob opened fully?	▶ Open the knob fully.
The flame becomes larger suddenly → Remedy 12 16	14 Is the spark jumping from the electrode to the burner?	▶ When the spark is not jumping from the electrode to the burner, refer to the "Spark gap" illustration (page 3), and then adjust the direction in which the spark jumps.
A popping sound occurs during extinguishing → Remedy 18	15 Is the spark jumping?	▶ 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.
Flames burn away from the burner → Remedy 19	16 Was the main unit or canister moved during use?	▶ Do not move the main unit or canister during use.
	17 The flame around the electrode is red during the first use after purchase. After several uses, the red flame disappears. Continue to use the product as is.	
	18 A sound during extinguishing is not a problem. Continue to use the product as is.	
	19 This is not a problem. Turn down the knob slightly for 2 to 3 minutes.	