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TOYOTOMI RS-GE23

TOYOTOMI RS-GE23 Reflective Kerosene Stove Instruction Manual

Model: RS-GE23

1. Introduction

This manual provides essential information for the safe and efficient use of your TOYOTOMI RS-GE23 Reflective Kerosene Stove. Please read all instructions carefully before operating the appliance and keep this manual for future reference. This stove is designed for outdoor use only.

Image: The TOYOTOMI RS-GE23 Reflective Kerosene Stove, highlighting its olive color and heating capacity for 8 tatami (concrete) and 6 tatami (wood) spaces.

The TOYOTOMI RS-GE23 is a portable, compact reflective kerosene stove. It is available in olive green, coyote brown, and black. Its reflective design efficiently warms the area directly in front of it, and the cartridge tank simplifies refueling.

2. Safety Information

WARNING: This appliance is for OUTDOOR USE ONLY. Do not use indoors or in enclosed spaces. Kerosene stoves produce carbon monoxide, which can be fatal if inhaled.

- Always ensure adequate ventilation when operating the stove.

- Use only **clean kerosene** (JIS Class 1 Kerosene) as fuel. Never use gasoline, benzene, paint thinner, or other flammable liquids.
- Keep children and pets away from the stove during operation.
- Do not place flammable materials near the stove. Maintain a safe distance from walls, furniture, and curtains.
- Never leave the stove unattended while operating.
- Ensure the stove is on a stable, level surface to prevent tipping.
- Do not move the stove while it is operating or hot.
- In case of fire, use a fire extinguisher suitable for oil fires. Do not use water.
- Always turn off the stove and allow it to cool completely before refueling or performing maintenance.
- Equip your outdoor area with a carbon monoxide detector for added safety.

3. Product Features

The RS-GE23 stove incorporates several features for user convenience and safety:

- **Electronic Ignition:** One-touch ignition by simply turning the knob.
- **Flexible Temperature Adjustment:** Allows for precise heat control.
- **Far-Infrared Heating:** Generates far-infrared rays to provide warmth from the core.
- **Odor-Saving Shut-off:** Designed to minimize unpleasant odors during shut-off.
- **Earthquake-Sensing Automatic Shut-off:** Automatically extinguishes the flame in case of a strong impact or earthquake.
- **Fueling Shut-off Device:** Automatically shuts off the stove during refueling for safety.
- **Spill-Proof Cap ('Koborema-sen'):** Prevents large kerosene spills even if the tank is overturned, provided the cap is securely tightened.
- **Easy Lock ('Rakuraku Lock'):** Provides tactile and audible feedback when the fuel tank cap is securely closed.

Image: Overview of key functions including one-touch ignition, flexible temperature control, far-infrared heating, odor reduction, and automatic shut-off.

4. Setup

4.1 Unpacking and Placement

1. Carefully remove the stove from its packaging.
2. Check for any damage during transit. If damaged, do not use and contact customer support.

3. Place the stove on a firm, level, non-combustible surface in an outdoor area.
4. Ensure there is ample space around the stove (at least 1 meter from walls, furniture, and other combustible materials).

4.2 Fueling the Stove

Only use clean, clear kerosene (JIS Class 1 Kerosene). Never use gasoline or other fuels.

1. Ensure the stove is turned off and completely cool before refueling.
2. Remove the fuel tank from the stove.
3. Unscrew the fuel cap.
4. Carefully pour kerosene into the tank using a funnel to prevent spills. Do not overfill; stop when the fuel gauge indicates full or the red line on the tank opening disappears when closing the cap.
5. Securely tighten the fuel cap. Listen for the 'click-click' sound and ensure the red line on the tank opening is no longer visible, indicating the Easy Lock is engaged.
6. Wipe away any spilled kerosene immediately.
7. Return the fuel tank to its position in the stove.

Image: Fueling process, showing the check valve that helps prevent kerosene leaks.

Image: Demonstrating the 'Easy Lock' feature, where a red line disappears and a 'click' sound confirms the cap is securely tightened.

5. Operating Instructions

5.1 Ignition

1. Ensure the fuel tank is properly installed and filled with kerosene.
2. Turn the ignition knob clockwise to the 'ON' position. The electronic igniter will light the wick.
3. Confirm that the wick is burning evenly and the flame is stable.

5.2 Adjusting Heat Output

The heat output can be adjusted by turning the control knob. Turn clockwise for higher heat, and counter-clockwise for lower heat. The stove offers flexible temperature adjustment.

5.3 Shut-off

1. To turn off the stove, turn the ignition knob counter-clockwise to the 'OFF' position.
2. The flame will extinguish. The odor-saving shut-off feature helps minimize residual odors.
3. Allow the stove to cool completely before moving or storing.

Image: The stove in a camping environment, demonstrating its intended outdoor use and rugged design.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your stove.

6.1 Daily Maintenance

- Wipe the exterior of the stove with a soft, dry cloth to remove dust and dirt.
- Check the wick for any carbon buildup or unevenness.
- Ensure the fuel tank is clean and free of debris.

6.2 Wick Maintenance

The wick is a consumable part and requires periodic cleaning or replacement.

- **Cleaning:** If the wick appears hardened or has significant carbon buildup, perform a dry burn. Operate the stove until all kerosene in the tank is consumed and the flame extinguishes naturally. This will burn off carbon deposits.
- **Replacement:** If the wick is severely damaged, frayed, or no longer provides an even flame after cleaning, it should be replaced. Refer to the detailed wick replacement instructions in the full service manual or consult a qualified technician.

6.3 Storage

- Before long-term storage, ensure the fuel tank is completely empty and dry.
- Clean the stove thoroughly.
- Store the stove in a dry, cool place, away from direct sunlight and moisture.

7. Troubleshooting

Problem	Possible Cause	Solution
Stove does not ignite.	No kerosene in tank; wick too low; igniter malfunction.	Refill tank; raise wick; check igniter (may require battery replacement if applicable, though this model states no battery use for operation).
Flame is weak or uneven.	Low kerosene level; dirty or hardened wick; poor quality kerosene.	Refill tank; perform wick dry burn or replacement; use fresh, clean kerosene.
Excessive odor during operation.	Poor ventilation; dirty wick; incorrect fuel.	Ensure adequate ventilation; clean or replace wick; use only clean kerosene.
Stove shuts off unexpectedly.	Earthquake sensor activated; low fuel; stove tilted.	Check for impacts; refill fuel; ensure stove is on a level surface.

8. Specifications

Brand	TOYOTOMI
Model Number	RS-GE23(G)
Heating Output	2.25 kW to 1.91 kW
Approximate Coverage (Concrete)	8 tatami (13.0 m^2)
Approximate Coverage (Wood)	6 tatami (10.0 m^2)
Fuel Tank Capacity	3.6 L
Product Dimensions	50 x 47 x 37 cm
Product Weight (approx.)	7.5 kg
Color	Olive
Indoor/Outdoor Use	Outdoor Use Only
ASIN	B07X5T35Q3

9. Warranty and Support

This product comes with a manufacturer's warranty of**1 year** from the date of purchase.
For warranty claims, technical support, or inquiries regarding replacement parts, please contact TOYOTOMI customer service. Keep your proof of purchase for warranty validation.
For more information, you may visit the official TOYOTOMI brand store:TOYOTOMI Brand Store

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