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› **SMETA 14.1 Cu.ft Propane Refrigerator with Freezer (Model TDD-390-US) Instruction Manual**

SMETA TDD-390-US

SMETA 14.1 Cu.ft Propane Refrigerator with Freezer

MODEL: TDD-390-US

Instruction Manual

1. Product Overview

The SMETA 14.1 Cu.ft Propane Refrigerator with Freezer (Model TDD-390-US) is a versatile appliance designed for off-grid and mobile applications. It features a dual power system, operating on both 110V AC electricity and LPG/propane gas, ensuring your food remains fresh regardless of power availability. With a total capacity of 14.1 cubic feet, including a dedicated freezer compartment, it offers ample storage for various food items. This absorption refrigerator operates quietly and efficiently, making it suitable for RVs, cabins, garages, apartments, and outdoor use.

2 Way Off-grid Refrigerator



110V



Propane/Gas

Image 1: SMETA 14.1 Cu.ft Propane Refrigerator with dimensions (27.1"W x 30.6"D x 69.3"H) and dual power options (110V and Propane/Gas).

New Advanced System



No Noise



Energy Saving



Durable



No Frost



No Freon

Image 2: Advanced system features of the SMETA Propane Refrigerator, highlighting its quiet operation, energy efficiency, durability, frost-free design, and Freon-free refrigeration.



Image 3: The SMETA Propane Refrigerator is suitable for various environments, including indoor settings like cabins and outdoor activities such as camping.

Key Features:

- **Large Capacity:** 14.1 Cu.ft total capacity with a dedicated freezer.
- **Dual Power:** Operates on 110V AC or LPG/Propane gas.
- **Quiet Operation:** Absorption refrigeration method ensures minimal noise and no vibrations.
- **User-Friendly Design:** Features adjustable/removable shelving, door storage, and a vegetable crisper.
- **Eco-Friendly:** No compressor, no fan, no Freon.

2. Safety Information

Before operating the appliance, please read all safety instructions carefully to prevent injury or damage. Keep this manual for future reference.

- **Ensure proper ventilation:** A clearance of 4 inches should be left on the top, and 1 inch on the back/sides of the unit for proper air circulation.

- **Propane Safety:** When operating on propane, ensure the area is well-ventilated and free from flammable materials. Be aware that propane refrigerators have a small pilot flame burning continuously.
 - **Electrical Safety:** Connect to a properly grounded outlet. Do not use extension cords.
 - **Leveling:** Use the adjustable feet to ensure the refrigerator is level for optimal performance.
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3. Setup

Proper setup is crucial for the efficient operation of your SMETA Propane Refrigerator.

Placement:

- Place the refrigerator on a firm, level surface.
- Maintain a minimum clearance of 4 inches (10 cm) at the top and 1 inch (2.5 cm) at the back and sides for adequate air circulation.
- Avoid direct sunlight or heat sources to ensure optimal cooling performance.

Leveling:

The bottom of the refrigerator has adjustable feet. Rotate these feet to ensure the unit is perfectly level. This is important for the absorption cooling system to function correctly and for faster cooling.



Adjustable Foot



Removable Shelf



Basket Drawer



Durable Seal



Image 4: Illustration of key features including adjustable feet for leveling, removable shelves for flexible storage, a basket drawer, and a durable door seal.

Door Reversibility:

The refrigerator doors are designed to be reversible, allowing you to change the opening direction to suit your space requirements. Refer to the detailed diagram in the packaging for instructions on reversing the door hinges.

Reversible Door



Image 5: Interior layout of the SMETA Propane Refrigerator, demonstrating the reversible door feature and ample storage space for diverse food items.

4. Operating Instructions

Your SMETA refrigerator offers flexible operation with both electric and gas power sources.

Control Panel:

The control panel is conveniently located on the front of the refrigerator. It includes controls for selecting the power mode (Gas/AC), ignition, and temperature adjustment. A flame indicator is also present to confirm when the gas flame is lit.

LPG/Gas/110V Mode



LPG



Gas



110V

Image 6: Close-up of the refrigerator's control panel, detailing the switches for power mode selection (LPG/Gas/110V), the igniter button, thermostat dial, and flame indicator light.

Power Mode Selection:

- **110V AC Mode:** Plug the refrigerator into a standard 110V AC power outlet. Select the AC mode on the control panel.
- **LPG/Propane Gas Mode:** Connect a propane tank to the refrigerator's gas inlet. Open the gas valve on the tank. Select the Gas mode on the control panel and use the igniter to light the flame. The flame indicator will confirm successful ignition.

Temperature Control:

- The freezer compartment maintains a temperature of approximately 3.2°F (-16°C).
- The refrigerator fresh food compartment temperature can be adjusted, typically ranging from 32°F to 50°F (0°C to 10°C). Use the thermostat dial on the control panel to set your desired cooling level.

First Use:

Before first use, clean the interior of the refrigerator with a mild detergent and water. Allow the unit to cool for several hours (at least 4-6 hours) before loading food items, especially when using gas mode for the first time.

Official Product Videos:

Video 1: Demonstrates the SMETA 13.4 Cu.Ft Gas Fridge Freezer, highlighting its dual power capabilities (LPG/Propane and AC 110V) and suitability for off-grid living.

Video 2: Showcases the SMETA 9.3 Cu.Ft Propane Fridge, emphasizing its dual power options (LPG/Propane and AC 110V), quiet operation, and reversible door for off-grid remote living.

Video 3: Illustrates the SMETA Propane Refrigerator's use in outdoor and RV settings, demonstrating its functionality for mobile and off-grid applications.

Video 4: Highlights the SMETA Off-grid Propane Refrigerator for travel, showing its features and benefits for use in various travel scenarios.

Video 5: Presents the SMETA 6.1 Cu.Ft Off-Grid Propane Fridge Freezer, detailing its capacity and features for freezing and chilling items in off-grid environments.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your refrigerator.

- **Cleaning:** Clean the interior and exterior surfaces regularly with a mild detergent and soft cloth. Avoid abrasive cleaners.
- **Door Seals:** Inspect door seals periodically for any damage or gaps. Ensure they are clean and sealing properly to maintain efficiency.
- **Ventilation:** Keep the ventilation areas (top, back, and sides) clear of obstructions to ensure proper airflow for the cooling system.
- **Defrosting:** While the unit is designed to be frost-free, occasional manual defrosting may be necessary if excessive ice buildup occurs in the freezer.

6. Troubleshooting

If you encounter issues with your refrigerator, refer to the following common troubleshooting tips:

- **No Cooling:** Check if the unit is properly plugged into a power source (110V AC) or if the propane tank is connected and the gas valve is open. Ensure the correct power mode is selected on the control panel. Verify the thermostat setting.
- **Insufficient Cooling:** Ensure adequate clearance around the unit for ventilation. Check if the door seals are intact and closing properly. Avoid overpacking the refrigerator, which can restrict airflow.
- **Gas Flame Not Lighting:** Confirm the propane tank has gas and the valve is open. Ensure the igniter is functioning. If the flame indicator does not light, there may be an issue with the gas supply or ignition system.
- **Unusual Noise:** Absorption refrigerators are designed to be quiet. If you hear unusual noises, ensure the unit is level and not touching any surrounding objects.

For persistent issues, please contact customer support.

7. Specifications

Feature	Specification
Brand	SMETA

Model Info	TDD-390-US
Item Weight	190 pounds
Product Dimensions	31"D x 28"W x 70"H
Capacity	14.1 Cubic Feet
Annual Energy Consumption	2118 Kilowatt Hours Per Year
Refrigerator Fresh Food Capacity	10 Cubic Feet
Freezer Capacity	4.1 Cubic Feet
Installation Type	Freestanding
Form Factor	Freezer Top
Special Features	Adjustable Shelves, Freezer Light, Frost Free, Large Capacity, Low Noise
Color	White
Voltage	110 Volts
Crispers/Drawers	1
Defrost System	Automatic
Door Hinges	Left (Reversible)
Shelf Type	Metal
Shelves	5
Number Of Doors	2
Date First Available	January 13, 2025

8. Warranty and Support

For warranty information, please refer to the documentation included with your product packaging or visit the official SMETA website. If you require technical assistance, troubleshooting beyond this manual, or have questions regarding your product, please contact SMETA customer support.

Customer Support Contact: Refer to your product packaging or the official SMETA website for the most current contact information.

