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› [Kenmore 5.6 cu. ft. Front Control Gas Range Oven \(Model 2276833\) User Manual](#)

Kenmore 2276833

Kenmore 5.6 cu. ft. Front Control Gas Range Oven (Model 2276833) User Manual

Brand: Kenmore | Model: 2276833

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kenmore 5.6 cu. ft. Front Control Gas Range Oven, Model 2276833. Please read all instructions carefully before using the appliance.

5.6 cubic foot capacity

Burners range from 900 BTUs to 17,000 BTUs



Figure 1.1: Kenmore 5.6 cu. ft. Front Control Gas Range Oven (Model 2276833).

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury when using this appliance.

- **Gas Leaks:** If you smell gas, immediately shut off the gas supply to the appliance and evacuate the area. Do not operate any electrical switches or phones. Contact your gas supplier.
- **Tip-Over Hazard:** The range must be secured by an anti-tip device. Failure to do so can result in serious injury or death.
- **Flammable Materials:** Keep flammable materials away from the range. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **Children Safety:** Do not leave children unattended near the range. Do not allow them to climb, stand, or hang on any part of the range.
- **Proper Installation:** Ensure the range is properly installed and grounded by a qualified installer in accordance with the installation instructions.

- **Ventilation:** Ensure adequate ventilation in the kitchen area.

3. SETUP AND INSTALLATION

3.1 Product Dimensions



Figure 3.1: Kenmore Gas Range Dimensions.

Height: 36 inches

Width: 29.9 inches

Depth: 25 inches

Capacity: 5.6 cubic feet

3.2 Tools and Parts Required for Installation

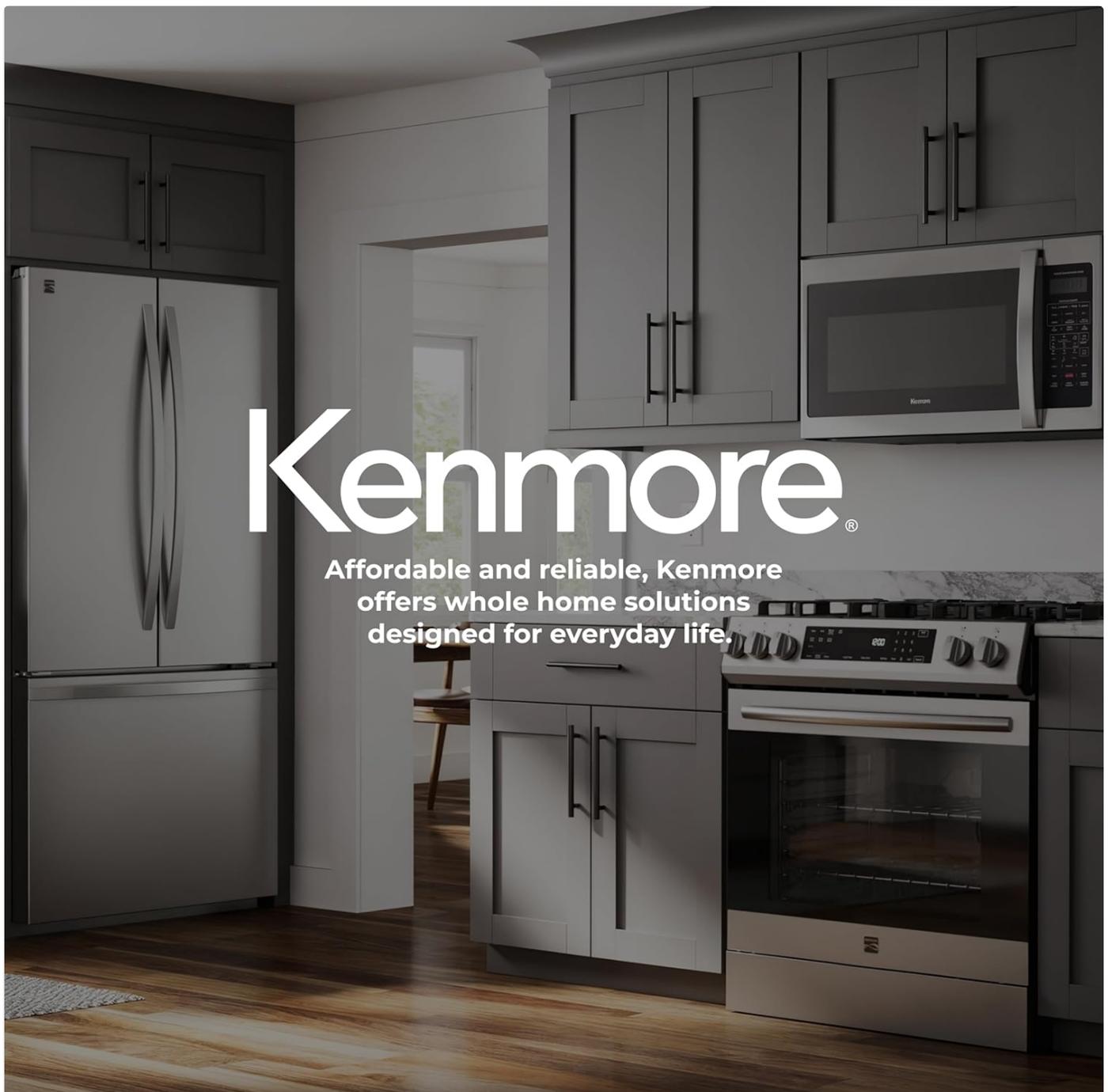


Figure 3.2: Required Tools and Included Parts for Installation.

Tools Required: Phillips screwdriver, 3/4 inch nut driver, adjustable wrench, pliers, drill, level.

Parts Included: Anti-tip device, backsplash with screws, 2 oven racks, gas pipe adaptor with washers, gas pressure regulator, user guide, and an LP Conversion Kit for areas without natural gas.

3.3 Electrical and Gas Requirements

For gas cooking ranges, ensure a 110-volt, 3-prong grounded electrical outlet is available within 3 feet of the unit. A gas shut-off valve must also be located within 3 feet of the appliance for safety regulations.

[Your browser does not support the video tag.](#)

Video 3.3: This video demonstrates how to measure your kitchen space for appliance delivery and installation, including clearances for gas and electrical connections. It highlights the importance of measuring doorways, hallways, and ensuring proper spacing around the appliance for functionality and safety.

Refer to the video above for detailed guidance on measuring your kitchen space and ensuring proper clearances for installation. This includes checking the path from delivery to the final location, measuring narrow points like gates and doorways, and accounting for necessary clearances around the appliance for proper door and drawer operation.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview



Figure 4.1: Front Control Panel and Cooktop.

The front-mounted precision controls offer direct and intuitive adjustments for both the cooktop and oven functions. The digital display shows time and settings, while dedicated buttons allow selection of various cooking modes.

4.2 Cooktop Burners

The range features five flexible cooktop burners designed for versatile cooking.

- **Turbo Boil Burner:** Provides rapid heat for fast boiling and intense searing, with up to 17,000 BTUs.
- **Simmer Burner:** Delivers gentle, consistent heat for delicate sauces or slow cooking, operating as low as 900 BTUs.
- **All-Purpose Burners:** Three additional burners offer a range of heat outputs for everyday cooking tasks like sautéing and frying.

Your browser does not support the video tag.

Video 4.2: This product overview video demonstrates the various features of the Kenmore gas range, including the cooktop burners, oven functions like True Convection and Air Fry, and the self-clean option. It visually explains the flexibility and power of the cooking elements.

4.3 Oven Functions

The spacious 5.6 cu. ft. oven offers multiple cooking modes:

- **Bake:** Standard baking for various dishes.
- **Broil:** For perfect browning and searing.
- **True Convection:** Circulates heated air for quick and even cooking results on every rack.
- **Air Fry:** Utilizes hot air circulation to make food crispy on the outside and tender on the inside.
- **Hidden Bake Element:** Located beneath the oven floor, this element provides a smooth, easy-to-clean surface and maximizes usable oven space.
- **Halogen Lighting:** Bright halogen lights illuminate the oven interior, allowing you to monitor cooking progress through the large oven window without opening the door.
- **Storage Drawer:** A convenient drawer located beneath the oven provides space for storing baking sheets, pans, and other cookware.



Figure 4.3: Oven Interior with Halogen Lighting and Racks.

5. MAINTENANCE AND CLEANING

Regular cleaning and maintenance ensure the longevity and optimal performance of your Kenmore gas range.

- **Cooktop Grates:** The cast iron grates are dishwasher-safe for easy cleanup.
- **Oven Interior:** The hidden bake element creates a smooth oven floor, making it simple to wipe clean.
- **Self-Clean Feature:** For deeper cleaning, utilize the self-clean cycle. Refer to the oven's control panel for specific instructions on activating and using this feature.
- **Chrome Racks:** The ultra-durable chrome racks can be cleaned with warm soapy water or by using the self-clean cycle if recommended in the full user manual.



Figure 5.1: Hidden Bake Element for Easy Cleaning.

6. TROUBLESHOOTING

Before contacting customer support, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Burner not lighting	Gas supply off, igniter dirty, burner cap misaligned.	Check gas supply valve. Clean igniter. Realign burner cap.
Oven not heating	Power supply issue, oven controls set incorrectly.	Check circuit breaker. Ensure correct oven function and temperature are selected.
Uneven baking	Improper rack position, pan size/type, oven calibration.	Use recommended rack positions. Adjust cooking time/temperature. Consult full manual for calibration.

Problem	Possible Cause	Solution
Oven light not working	Bulb loose or burned out.	Tighten or replace bulb. Ensure power is off before replacing.

7. SPECIFICATIONS

Feature	Detail
Brand	Kenmore
Model Number	2276833
Capacity	5.6 Cubic Feet
Installation Type	Freestanding
Product Dimensions (W x D x H)	29.9 x 25 x 36 inches
Item Weight	150 pounds
Fuel Type	Gas
Burner Type	Sealed (5 Heating Elements)
Control Console	Knob
Oven Racks	2
Drawer Type	Storage
Material Type	Stainless Steel
Included Components	LP Conversion Kit

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, parts, and service, please refer to the official Kenmore website or your product's included Use & Care Guide.

Customer Support: If you have questions or require assistance, you can contact Kenmore customer support.

Phone: 1-844-553-6667

Email: customersupport@kenmore.com

Online: Visit the official Kenmore website for product manuals and FAQs.