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## Whirlpool W10823508

# Whirlpool W10823508 Dryer Burner and Gas Valve Assembly Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

## 1. Introduction

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of the Whirlpool W10823508 Dryer Burner and Gas Valve Assembly. This component is a genuine Original Equipment Manufacturer (OEM) part designed for various Whirlpool, Kenmore, Maytag, and other compatible gas dryer models. Please read this manual thoroughly before proceeding with any installation or service.

## 2. Safety Information

Your safety and the safety of others are very important. Always observe the following safety precautions when handling or installing this part:

- **DANGER:** Before beginning any installation or repair, **unplug the dryer from its power source and shut off the gas supply** to the appliance. Failure to do so can result in electric shock, gas leak, fire, or serious injury.
- **WARNING:** Wear work gloves to protect your hands from sharp edges and potential burns during installation.
- **CAUTION:** Gas appliance repairs should ideally be performed by qualified technicians. If you are unsure about any step, consult a professional.
- Ensure proper ventilation when working with gas appliances.
- After installation, check all gas connections for leaks using a soap solution (never an open flame).

## 3. Product Overview

The Whirlpool W10823508 Dryer Burner and Gas Valve Assembly is a crucial component in gas dryers, responsible for generating the heat required for drying clothes. This assembly typically includes:

- **Burner:** Distributes gas for an even flame.
- **Gas Valve:** Controls the flow of gas to the burner.
- **Igniter:** Lights the gas to create the flame.

This part is compatible with a wide range of gas dryer models from brands such as Whirlpool, Kenmore, Maytag, Crosley, Roper, Estate, Inglis, Kirkland, Kitchenaid, Amana, Admiral, and Magic Chef. Always verify compatibility with your specific dryer model before installation.



*Image 1: Whirlpool W10823508 Dryer Burner and Gas Valve Assembly. This image shows the complete assembly, including the burner tube, gas valve, and igniter bracket.*

## 4. Installation Instructions

The following steps outline a general procedure for replacing the dryer burner and gas valve assembly. Specific dryer models may vary. Refer to your dryer's service manual for detailed instructions if available.

1. **Preparation:**
    - **Disconnect Power:** Unplug the dryer from the electrical outlet.
    - **Shut Off Gas:** Turn off the gas supply valve to the dryer.
    - **Access Panel Removal:** Depending on your dryer model, you may need to remove the front panel, top panel, or rear panel to access the burner assembly. This often involves removing screws and disconnecting wire harnesses.
2. **Locate and Disconnect Old Assembly:**
    - Identify the existing burner and gas valve assembly.
    - Carefully disconnect the gas line from the gas valve. Be prepared for a small amount of residual gas.
    - Disconnect any electrical wires connected to the igniter, flame sensor, or gas valve solenoids. Take photos if necessary to remember connections.
    - Remove the mounting screws or clips that secure the assembly to the dryer chassis.
3. **Remove Old Assembly:**
    - Gently slide or lift the old burner and gas valve assembly out of its position.
4. **Install New Assembly:**
    - Position the new W10823508 assembly into the dryer, ensuring it aligns correctly with the mounting points.
    - Secure the assembly with the mounting screws or clips.
    - Reconnect the gas line to the new gas valve. Use pipe thread sealant designed for gas lines on the threads to ensure a leak-free connection.
    - Reconnect all electrical wires to the igniter and gas valve solenoids. Ensure connections are secure and match the original configuration.
5. **Reassembly and Testing:**
    - **Check for Gas Leaks:** Before restoring power, turn on the gas supply and apply a soap and water solution to all gas connections. Look for bubbles, which indicate a leak. If bubbles appear, tighten the connection and retest. Do not proceed until all leaks are resolved.

- **Restore Power:** Plug the dryer back into the electrical outlet.
- **Test Operation:** Run a short cycle on the dryer to confirm that the burner ignites and heats properly. Observe the flame through the inspection port if available.
- **Reinstall Panels:** Once confirmed operational, reattach all access panels.




*Image 2: Side view of the Whirlpool W10823508 assembly, showing the gas valve and electrical connections. This view can be helpful for identifying connection points during installation.*

**Important Note:** This part is a manufacturer substitution and may differ in appearance from prior parts (e.g., 279990, 8318272, W10465748, W10336852) but is a functional equivalent. Ensure your dryer model number is listed as compatible.




*Image 3: A visual reminder to verify part compatibility with your specific dryer model number before purchase and installation.*

## 5. Operating Instructions

Once the Whirlpool W10823508 Dryer Burner and Gas Valve Assembly is correctly installed, its operation is integrated into the dryer's normal function. The assembly works automatically when the dryer is set to a heat cycle:

- When a heat cycle begins, the igniter receives power and begins to glow, heating up.
- Once the igniter reaches a sufficient temperature, the gas valve opens, allowing gas to flow to the burner.
- The hot igniter then ignites the gas, creating a flame that heats the air circulated through the dryer drum.
- A flame sensor monitors the flame to ensure safe and continuous operation.

No direct user interaction with the burner assembly is required during normal dryer operation.

## 6. Maintenance

The W10823508 Dryer Burner and Gas Valve Assembly is designed for durability and typically requires minimal maintenance. However, periodic inspection of your dryer's internal components can help ensure longevity and efficient operation.

- **Annual Inspection:** Consider having a qualified technician inspect your dryer's gas components annually for signs of wear, corrosion, or blockages.
- **Clean Lint Filter:** Always clean the lint filter before or after every load to maintain proper airflow and prevent overheating, which can stress heating components.
- **Vent Cleaning:** Regularly clean the dryer vent ductwork to prevent lint buildup, which is a fire hazard and can reduce dryer efficiency.
- **Avoid Obstructions:** Ensure the area around the dryer is clear of obstructions to allow for adequate air circulation.

**Note:** Any maintenance involving internal gas components should only be performed by a qualified service technician.

## 7. Troubleshooting

If your dryer is experiencing heating issues after installing the W10823508 assembly, consider the following common troubleshooting steps. Always ensure the dryer is unplugged and the gas supply is off before inspecting internal components.

| Problem | Possible Cause | Solution |
|---|---|---|
| Dryer runs but no heat | • Gas supply off<br>• Igniter not glowing<br>• Gas valve solenoids faulty<br>• Thermal fuse blown | • Ensure gas supply valve is open.<br>• Inspect igniter for cracks or breaks. If faulty, replace.<br>• Test gas valve solenoids for continuity. Replace if open or shorted.<br>• Check thermal fuse for continuity. Replace if open (often indicates a ventilation issue). |
| Weak or inconsistent heat | • Partially clogged gas orifice<br>• Restricted exhaust vent | • Clean or replace the gas orifice (professional service recommended).<br>• Clean the dryer's exhaust vent thoroughly. |
| Burning smell | • Lint buildup<br>• New part "burn-off" (temporary) | • Clean lint filter and exhaust vent.<br>• Monitor. If smell persists or is strong, discontinue use and seek professional help. |

For issues not listed or if troubleshooting does not resolve the problem, it is recommended to contact a qualified appliance repair technician.

## 8. Specifications

| Attribute | Detail |
|---|---|
| Part Number | W10823508 |
| Manufacturer | Whirlpool |
| Item Weight | Approximately 3.69 pounds |
| Product Dimensions | Approximately 1 x 1 x 1 inches (packaging dimensions may vary) |

| Attribute | Detail |
|---|---|
| Color | Silver |
| Included Components | Single FSP Whirlpool W10823508 Dryer Burner + Gas Valve Assembly |
| Compatible Brands | Whirlpool, Kenmore, Maytag, Crosley, Roper, Estate, Inglis, Kirkland, Kitchenaid, Amana, Admiral, Kenmore Elite, Magic Chef |

## 9. Warranty and Support

As an Original Equipment Manufacturer (OEM) part, the Whirlpool W10823508 Dryer Burner and Gas Valve Assembly typically comes with a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the official Whirlpool documentation that accompanied your original appliance or visit the official Whirlpool website.
For technical support, parts inquiries, or to locate authorized service providers, please contact Whirlpool customer service directly or visit their official support channels.
**Whirlpool Official Website:** www.whirlpool.com

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