

Gugaguga DG94-00635A

Gugaguga DG94-00635A / DG69-00151A-01 Range LP Gas Conversion Kit Instruction Manual

For Models: NX58F5500SS/AA, NX58K3310SW/AA, and other compatible ranges

1. INTRODUCTION

This instruction manual provides essential information for the safe and proper installation and use of the Gugaguga DG94-00635A / DG69-00151A-01 LP Gas Conversion Kit. This kit is designed to convert compatible natural gas ranges to operate on Liquid Propane (LP) gas. Please read this manual thoroughly before beginning any installation procedures.

2. SAFETY INFORMATION

WARNING: Installation and service must be performed by a qualified installer, service agency, or gas supplier. Failure to follow these instructions could result in fire, explosion, or carbon monoxide poisoning, causing property damage, personal injury, or death.

- Always disconnect the electrical power supply to the range before servicing.
- Turn off the gas supply to the range at the main shut-off valve before beginning installation.
- Ensure adequate ventilation during installation.
- Verify that all gas connections are tight and leak-free after installation using a non-corrosive leak detection solution.
- Do not use an open flame to check for gas leaks.
- Keep children and pets away from the work area.
- Refer to your range's original instruction manual for specific disassembly and reassembly procedures.

3. PRODUCT OVERVIEW

The Gugaguga DG94-00635A / DG69-00151A-01 LP Gas Conversion Kit consists of 7 precision-machined brass orifices. These orifices are designed to replace the existing natural gas orifices in your compatible

range, allowing it to operate efficiently and safely with LP gas. The components are made from high-quality brass for durability and resistance to corrosion.



Image 3.1: Complete Gugaguga LP Gas Conversion Kit showing all 7 brass orifices.

DG94-00635A / DG69-00151A-01 Assy-Lp Kit

Range - oven / stove conversion Kit

7 kits in total



Image 3.2: Close-up view of the individual brass orifices, highlighting their construction.

4. PACKAGE CONTENTS

The conversion kit includes:

- 7 x Brass LP Gas Orifices (various sizes for different burners and oven sections)

5. COMPATIBLE MODELS

This LP Gas Conversion Kit is compatible with the following range models:

- NX583G0VBBBAA
- NX58F5500SS/AA
- NX58K3310SW/AA
- NX58K3310SS/AA
- NX58K3310SB/AA
- NX583G0VBWW/AA
- NX583G0VBBB/AA
- NX58F5500SB/AA

- NX58F5300SS/AA
- FX510BGS/XAA
- NX58F5500SW/AA

FITS MODELS (Range - Oven/Stove)

NX583G0VBBB/AA

NX583G0VBWW/AA

NX58F5300SS/AA

NX58F5500SB/AA

NX58F5500SS/AA

NX58F5500SW/AA

NX58K3310SB/AA

NX58K3310SS/AA

NX58K3310SW/AA



Image 5.1: The conversion kit displayed alongside a list of compatible range models.

6. SETUP AND INSTALLATION INSTRUCTIONS

This procedure involves working with gas lines and electrical components. It is highly recommended that installation be performed by a certified professional.

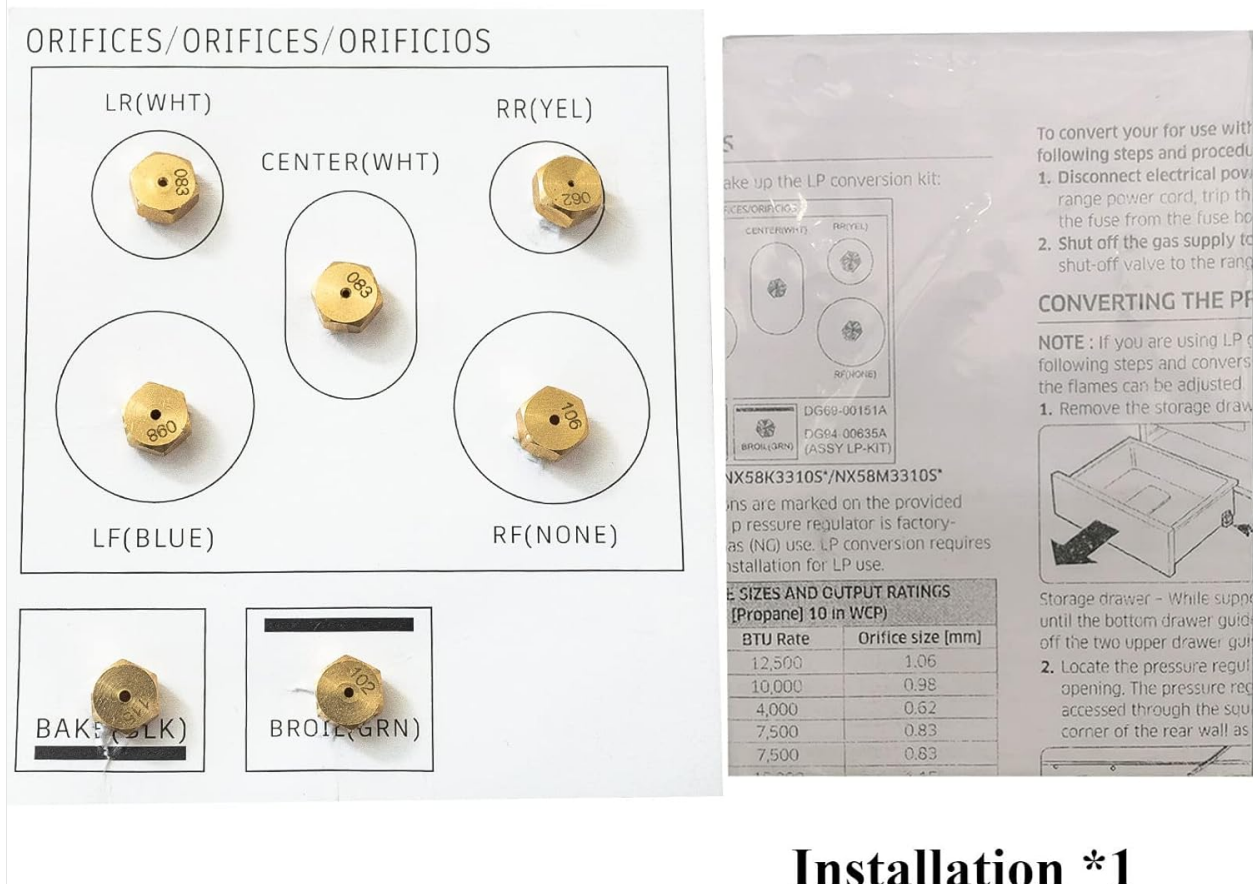
Required Tools:

- Nut driver
- Screwdriver
- Wrench
- Non-corrosive leak detection solution

Installation Steps:

1. **Disconnect Power and Gas:** Before starting, ensure the range is completely disconnected from its electrical power source and the main gas supply valve is turned off.
2. **Access Orifices:** Depending on your specific range model, you will need to partially disassemble the oven and/or cooktop to access the existing natural gas orifices. Refer to your range's service manual for detailed instructions on accessing these components.
3. **Identify and Replace Orifices:** Carefully remove each natural gas orifice using appropriate tools. Match each new LP gas orifice from the kit to its corresponding burner or oven component based on the provided diagram and markings. The kit includes orifices for the cooktop burners (Left Rear, Right Rear, Center, Left Front, Right Front), bake burner, and broil burner.

Pre-drilled offices *7



Installation *1

Image 6.1: Orifice diagram indicating placement for LR (Left Rear), RR (Right Rear), Center, LF (Left Front), RF (Right Front), Bake, and Broil burners.

4. **Install New Orifices:** Screw in the new LP gas orifices securely. Do not overtighten.
5. **Adjust Pressure Regulator:** The range's pressure regulator must be adjusted for LP gas. This typically involves flipping a cap or adjusting a screw on the regulator. Consult your range's manual for the exact procedure. The pressure regulator is factory-set for natural gas (NG) use. LP conversion requires adjustment to 10 inches Water Column (WCP).
6. **Reassemble Range:** Carefully reassemble all components of the range that were removed.
7. **Reconnect Gas and Power:** Reconnect the gas supply and electrical power to the range.
8. **Check for Leaks:** Apply a non-corrosive leak detection solution to all gas connections. Bubbles indicate a leak. If a leak is detected, immediately turn off the gas supply, tighten the connection, and retest. Repeat until no leaks are present.
9. **Adjust Burner Flames:** After conversion, the burner flames may need adjustment to ensure proper

combustion. Refer to your range's manual for instructions on adjusting the air shutter and flame height for LP gas. Flames should be stable, blue, and have a distinct inner cone.



Image 6.2: Visual representation of the orifices on a stove cooktop, indicating their placement.

7. OPERATING INSTRUCTIONS

After successful conversion and verification of no gas leaks, your range is now ready to operate on LP gas. The operation of the range (e.g., turning on burners, setting oven temperature) remains the same as described in your original range's user manual.

- Ensure proper ventilation when using gas appliances.
- Monitor flame appearance; flames should be blue and stable. Yellow or flickering flames may indicate improper adjustment or an issue requiring professional attention.

8. MAINTENANCE

The brass orifices in this kit are designed for long-term use and generally require minimal maintenance. However, regular inspection of your range's gas connections and burner components is recommended as part

of routine appliance maintenance.

- Periodically check gas connections for any signs of leaks using a leak detection solution.
- Ensure burner ports are clean and free from food debris to maintain optimal flame performance.
- If any component of the gas system appears damaged or corroded, contact a qualified service technician for inspection and repair.

9. TROUBLESHOOTING

If you encounter issues after converting your range to LP gas, consider the following:

Problem	Possible Cause	Solution
Weak or yellow flames	Improper pressure regulator adjustment; incorrect orifice size; clogged burner ports.	Verify pressure regulator is set for LP gas. Ensure correct orifices are installed. Clean burner ports. Adjust air shutter if applicable.
Gas odor	Gas leak.	Immediately turn off gas supply. Ventilate area. Do not operate electrical switches. Check all connections with leak detection solution. If odor persists, evacuate and call gas company/emergency services.
Burner not igniting	No gas supply; clogged orifice; faulty igniter.	Check gas supply valve. Ensure orifice is clear. Consult range manual for igniter troubleshooting.

For persistent issues or concerns, contact a qualified service technician.

10. SPECIFICATIONS

- **Part Numbers:** DG94-00635A, DG69-00151A-01
- **Material:** Brass
- **Included Components:** 7 LP Gas Orifices
- **Power Source:** Gas-powered (LP Gas after conversion)
- **Item Weight:** Approximately 0.634 ounces (total kit)
- **Package Dimensions:** Approximately 4.17 x 3.11 x 0.35 inches

11. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Gugaguga LP Gas Conversion Kit, please refer to the product packaging or contact the retailer from whom the kit was purchased. Keep your proof of purchase for warranty claims.