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Frigidaire GRLP3

Frigidaire GRLP3 LP Conversion Kit Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective conversion of your Frigidaire natural gas range or stove to operate with liquid propane (LP) gas using the Frigidaire GRLP3 LP Conversion Kit. This kit contains genuine Frigidaire parts engineered to ensure optimal performance and compatibility with your appliance. Proper installation is crucial for safety and appliance functionality.

FRIGIDAIRE

Ensure optimal performance
with the Frigidaire
GRLP3 LP Conversion Kit,
a genuine Frigidaire part
for Gas Ranges and
Stoves.



Appliance pictured is for illustration purposes only.

Image: Frigidaire GRLP3 LP Conversion Kit orifices displayed with a gas range, illustrating the product's application.

COMPATIBILITY

The Frigidaire GRLP3 LP Conversion Kit is compatible with a wide range of Frigidaire gas ranges and stoves. It is essential to verify compatibility with your specific appliance model before proceeding with installation. Refer to your appliance's user manual for confirmation.

Is Your Part Compatible?

This product is compatible with the following Frigidaire models:

FGFB66E, FGFB79G, FGFL67H, FGFL79G, FGFL87G, FGFS36F, FGF326K, FGF328G, FGF337G, FGF345G, FGF348K, FGF355G, FGF364K, FGF368G, FGF382H, FLF337E, TGF351E, CFGFL79G, CFGF337G, CFGF368G, CRG3140G, CRG3150L, CRG3160G, CRG3480I, CRG3480L, CRG3490L, CRP3160G, FGFB337G, GLGF376D, GLGF386D, GLGF389G, HGS5L53U, BGGF3031K, BGGF3041K, BGGF3042K, CGGF3032K, CGGF3054K, CGGF3054M, CGGF3056K, CGGF3076K, CGLGFZ86G, CGLGF386G, CGLGF389G, CPLGFZ97G, CRG3480IQ, CRG3480IW, CRG3490GS, CRG3490GW, DGGF3032K, DGGF3042K, FFGF3013L, FFGF3015L, FFGF3017L, FFGF3019L, FFGF3021L, FFGF3023L, FFGF3027L, FFGF3049L, FFGF3051L, FGGF3031K, FGGF3032K, FGGF3041K, FGGF3042K, FGGF3054K, FGGF3054M, FGGF3056K, FGGF3076K, FPGF3081K, LFGF3014L, LFGF3022L, LFGF3027L, LGGF3032K, LGGF3033K, LGGF3042K, LGGF3043K, LGGF3044L, LPGF3091K, PLGFZ390E, PLGFZ397G, WWGF3004K

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Image: A graphic detailing a comprehensive list of Frigidaire models compatible with the GRLP3 LP Conversion Kit.

This kit is compatible with the following Frigidaire models: FGFB66E, FGFB79G, FGFL67H, FGFL79G, FGFL87G, FGFS36F, FGF326K, FGF328G, FGF337G, FGF345G, FGF348K, FGF355G, FGF364K, FGF368G, FGF382H, FLF337E, TGF351E, CFGFL79G, CFGF337G, CFGF368G, CRG3140G, CRG3150L, CRG3160G, CRG3480I, CRG3480L, CRG3490L, CRP3160G, FGFB337G, GLGF376D, GLGF386D, GLGF389G, HGS5L53U, BGGF3031K, BGGF3041K, BGGF3042K, CGGF3032K, CGGF3054K, CGGF3054M, CGGF3056K, CGGF3076K, CGLGFZ86G, CGLGF386G, CGLGF389G, CPLGFZ97G, CRG3480IQ, CRG3480IW, CRG3490GS, CRG3490GW, DGGF3032K, DGGF3042K, FFGF3013L, FFGF3015L, FFGF3017L, FFGF3019L, FFGF3021L, FFGF3023L, FFGF3027L, FFGF3049L, FFGF3051L, FGGF3031K, FGGF3032K, FGGF3041K, FGGF3042K, FGGF3054K, FGGF3054M, FGGF3056K, FGGF3076K, FPGF3081K, LFGF3014L, LFGF3022L, LFGF3027L, LGGF3032K, LGGF3033K, LGGF3042K, LGGF3043K, LGGF3044L, LPGF3091K, PLGFZ390E, PLGFZ397G, WWGF3004K.

SAFETY INFORMATION

WARNING: Gas appliance conversion should only be performed by an **Experienced Repair Person** or a qualified service technician. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation instructions thoroughly before installing or servicing this equipment.

Always disconnect the appliance from the gas supply and electrical power before performing any service. Wear appropriate personal protective equipment, including gloves and safety glasses, during installation.

Installation Information



Skill Level:
Experienced
Repair Person



Install Time:
15 minutes



Tools Required:
7 mm nut driver, 1/4" nut
driver, 1/8" nut driver,
gloves, safety glasses

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Image: A graphic outlining installation details, including the recommended skill level (Experienced Repair Person), estimated install time (15 minutes), and required tools.

TOOLS REQUIRED

To install this conversion kit, you will need the following tools:

- 7 mm nut driver
- 1/4" nut driver
- 1/8" nut driver
- Gloves
- Safety glasses
- Leak detection solution (e.g., soapy water)
- Thin wrench (for oven valve adjustments, if applicable)

SETUP AND INSTALLATION

This kit converts a natural gas fueled range to liquid propane fueled. The conversion process involves replacing the natural gas orifices with LP orifices and adjusting the air shutters on the burners. Always refer to your specific appliance's installation manual for detailed, model-specific instructions, as procedures may vary.

General Steps:

1. **Disconnect Power and Gas:** Ensure the appliance is completely disconnected from both electrical power and the natural gas supply before beginning any work.
2. **Access Burners:** Carefully remove grates, burner caps, and burner heads to expose the natural gas orifices on the stovetop. For the oven and broiler burners, access may require removing oven racks, bottom panels, or other components as per your appliance's manual.
3. **Replace Orifices:**
 - **Stovetop Burners:** Use the appropriate nut driver to carefully remove the natural gas orifices. Replace them with the corresponding LP orifices from the kit. The kit includes various sizes; ensure you use the correct orifice for each burner as specified in your appliance's manual. Be extremely gentle when screwing in the new jets, as the metal can be soft.
 - **Oven and Broiler Burners:** The GRLP3 kit primarily provides orifices for stovetop burners. For oven and broiler burners, your appliance manual will specify if separate LP orifices are required or if adjustments to existing orifices are needed. Some models may require drilling existing orifices to the correct LP size, or the kit may not include these specific orifices. A thin wrench may be necessary to adjust oven valves.
4. **Adjust Air Shutters:** Locate the air shutters on each burner tube. For LP gas, these typically need to be adjusted to a smaller opening than for natural gas to ensure proper flame combustion. Consult your appliance manual for precise adjustment settings.
5. **Reassemble and Reconnect:** Reassemble all components in reverse order. Carefully reconnect the LP gas supply line and ensure all connections are tight.
6. **Leak Test:** Before restoring electrical power, perform a leak test on all gas connections using a non-corrosive leak detection solution (e.g., soapy water). Bubbles indicate a leak. Tighten connections as needed and retest until no leaks are detected.
7. **Test Burners:** Restore electrical power. Light each burner (stovetop, oven, broiler) and observe the flame. LP flames should be stable, blue, and have a distinct inner cone. Adjust air shutters further if necessary to achieve proper flame characteristics.

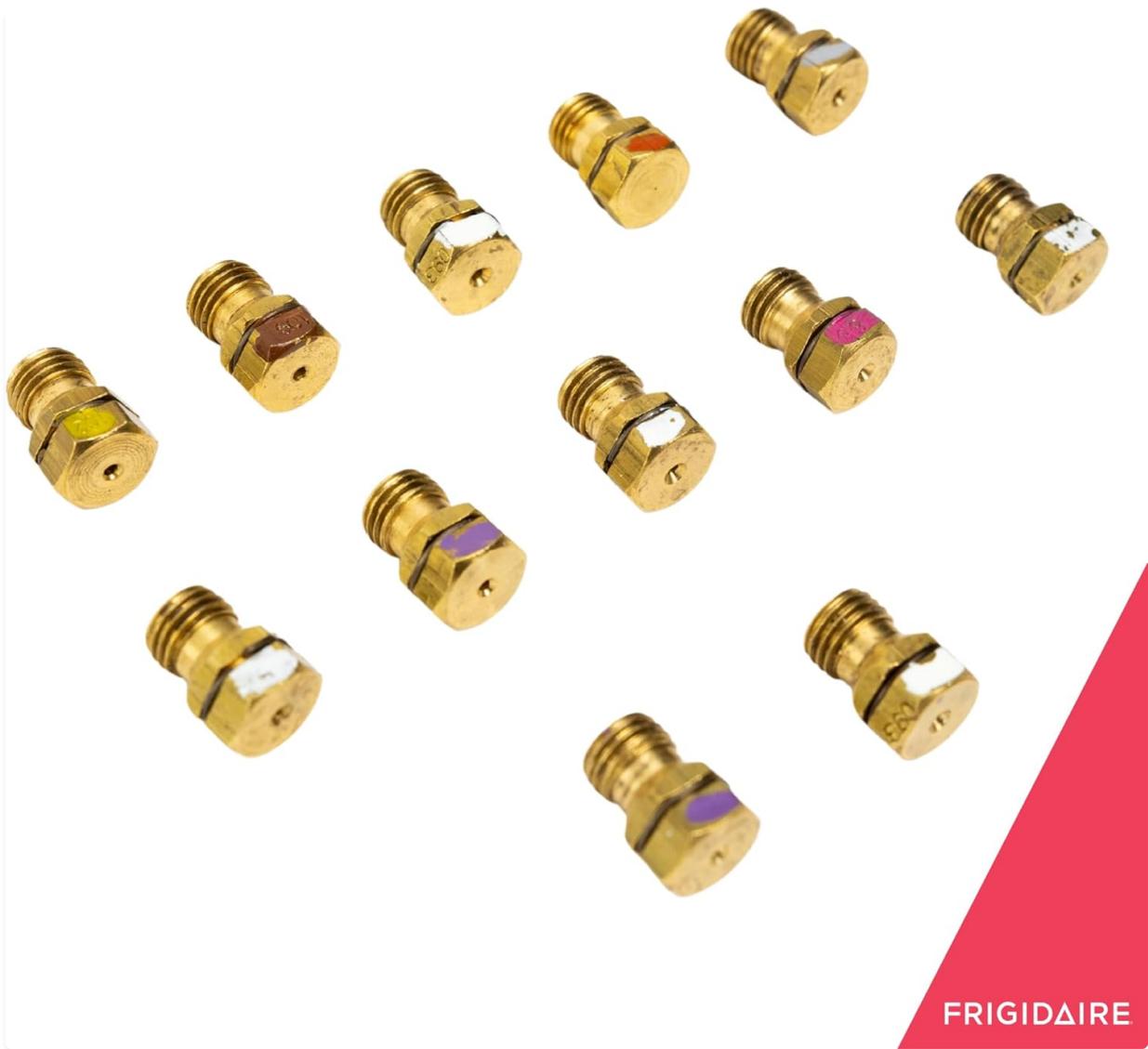


Image: A collection of brass orifices, each with a distinct colored marking, used for converting gas ranges to LP.

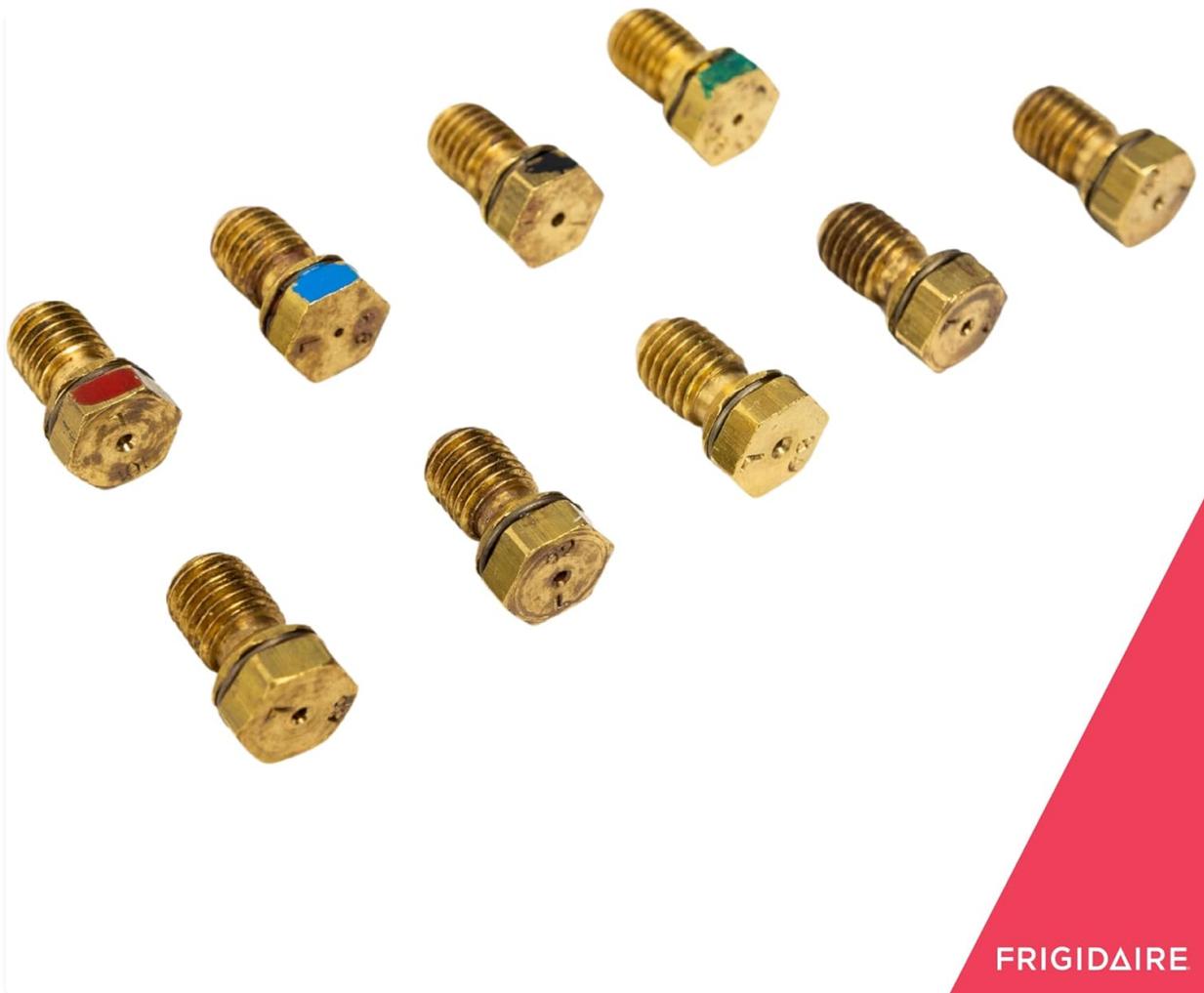


Image: A different set of brass LP conversion orifices, highlighting the variety in sizes and designs provided in the kit.

OPERATING

After successful conversion and testing, your appliance is now ready to operate on liquid propane gas. The operation of the range or stove will remain consistent with its design, but it will now utilize LP gas as its fuel source. Always ensure adequate ventilation when operating gas appliances.

MAINTENANCE

Regular maintenance of your LP gas appliance is recommended to ensure continued safe and efficient operation. This includes:

- Periodically checking gas connections for leaks.
- Ensuring burner ports are clean and free of debris for proper flame distribution.
- Verifying that air shutters remain correctly adjusted for LP gas.
- Consulting your appliance's user manual for specific cleaning and maintenance guidelines.

TROUBLESHOOTING

If you encounter issues after conversion, consider the following:

- **Uneven or Yellow Flame:** This often indicates incorrect air shutter adjustment or an incorrect orifice size. Re-adjust air shutters or verify orifice selection against your appliance's manual.

- **Flame Too High or Too Low:** Ensure the correct orifice size has been installed for each burner. LP gas requires smaller orifices than natural gas.
- **Gas Odor:** Immediately shut off the gas supply and ventilate the area. Do not operate the appliance. Check all connections for leaks using a leak detection solution. If the odor persists, contact a qualified service technician or your gas provider.
- **Missing Oven/Broiler Orifices:** The GRLP3 kit primarily focuses on stovetop burners. If your oven or broiler burners are not functioning correctly, consult your appliance's manual to determine if separate LP orifices are needed or if existing orifices require modification. This kit may not include all necessary orifices for oven/broiler conversion for all models.
- **Orifice Fell into Cavity:** During installation, if an orifice falls into the appliance cavity, it must be retrieved before operation. This may require disassembling parts of the stovetop or oven.

If you are unable to resolve an issue, contact a qualified service technician.

SPECIFICATIONS

- **Brand:** Frigidaire
- **Model Number:** GRLP3
- **Material:** Brass orifices, hardware
- **Product Dimensions:** 8.65"L x 8.65"W x 16.85"H (Packaging)
- **Included Components:** Conversion Kit

WARRANTY INFORMATION

The Frigidaire GRLP3 LP Conversion Kit comes with a **90-day warranty** from the manufacturer. Please retain your proof of purchase for warranty claims. For specific details regarding warranty coverage and procedures, refer to the documentation included with your kit or contact Frigidaire customer support.

SUPPORT

For further assistance, technical support, or to inquire about specific parts not included in this kit, please contact Frigidaire customer service. You can find contact information on the official Frigidaire website or in your appliance's user manual.