



[Manuals.plus](#) /

› [Robertshaw](#) /

› Robertshaw 1751-016 Natural to LP Gas Conversion Kit Instruction Manual

Robertshaw 1751-016

Robertshaw 1751-016 Natural to LP Gas Conversion Kit

Instruction Manual

INTRODUCTION

The Robertshaw 1751-016 Natural to LP Gas Conversion Kit is designed to convert specific Robertshaw gas valves from natural gas operation to liquid propane (LP) gas operation. This kit provides the necessary components and instructions for a straight-line regulation conversion, ensuring compatibility with Robertshaw factory model types 7000, 7010, 7100, 7200, and 7222. It is not intended for use with hydraulic models that cannot be field converted.

IMPORTANT SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment. Installation must be performed by a qualified service technician.

- Always turn off the gas supply to the appliance before beginning any installation or service procedures.
- Ensure adequate ventilation in the work area.
- Use appropriate tools and personal protective equipment.
- After installation, always perform a thorough leak test using a non-corrosive leak detection solution.
- Never use an open flame to check for gas leaks.
- Verify proper gas pressure and appliance operation after conversion.
- Be aware of the risks of carbon monoxide poisoning. Ensure all gas appliances are properly vented and maintained.

PACKAGE CONTENTS

The Robertshaw 1751-016 kit includes all necessary parts for the conversion. Please verify that all components are present and undamaged before proceeding with installation.



Image Description: This image displays the key components included in the Robertshaw 1751-016 conversion kit. From left to right, the components are: a small, reddish-brown, flat-head screw, typically used for adjustment or securing; a black, coiled metal spring, which is a crucial part of the pressure regulation mechanism; and a small, white, circular component, likely a washer or gasket, used for sealing or spacing within the gas valve assembly.

SETUP AND INSTALLATION

This conversion kit is designed for use with Robertshaw gas valve models 7000, 7010, 7100, 7200, and 7222. Refer to the specific appliance and gas valve manual for detailed instructions on accessing the gas valve.

- 1. Preparation:** Ensure the main gas supply to the appliance is turned off. Disconnect electrical power if applicable. Allow the appliance to cool if it has been in operation.
- 2. Access Gas Valve:** Locate and carefully access the existing natural gas valve on your appliance. This may involve

removing panels or covers.

3. **Identify Regulator:** Identify the natural gas pressure regulator section of the valve. This typically involves a cap or screw that retains a spring.
4. **Remove Natural Gas Components:** Carefully remove the existing natural gas regulator spring and any associated components (e.g., cap, diaphragm) as per the specific gas valve's instructions. Note the orientation and position of these parts.
5. **Install LP Components:** Insert the new LP gas regulator spring and any other components provided in the 1751-016 kit into the gas valve. Ensure they are correctly seated and oriented. The image above shows the screw, spring, and washer/gasket that are typically part of this conversion.
6. **Secure and Adjust:** Secure the new components with the provided screw or cap. Adjust the LP gas pressure regulator to the correct setting for your appliance, typically specified in the appliance's manual. This adjustment is critical for safe and efficient operation.
7. **Leak Test:** After reassembling the gas valve and reconnecting any gas lines, turn on the main gas supply. Apply a non-corrosive leak detection solution to all connections and joints. Look for bubbles, which indicate a leak. If a leak is detected, turn off the gas supply immediately, tighten connections, and re-test.
8. **Verify Operation:** Restore electrical power (if applicable) and test the appliance for proper ignition and flame characteristics. The flame should be stable and blue, with minimal yellow tipping.

NOTE: This conversion must be performed by a qualified service technician in accordance with all applicable codes and regulations.

OPERATING INSTRUCTIONS (POST-CONVERSION)

Once the Robertshaw 1751-016 conversion kit has been correctly installed and tested, the gas valve will operate with LP gas. The operation of the appliance itself will follow its original manufacturer's instructions. Ensure that the appliance is clearly marked as converted to LP gas.

- Always follow the appliance manufacturer's instructions for lighting and operation.
- If you smell gas, immediately turn off the gas supply, open windows and doors, and evacuate the area. Do not operate any electrical switches or phones. Contact your gas supplier or fire department.
- Regularly observe the appliance's flame for proper appearance (blue, stable).

MAINTENANCE

The Robertshaw 1751-016 conversion kit itself requires no routine maintenance beyond ensuring its proper installation and leak-free operation. However, regular maintenance of the gas appliance and its gas valve is crucial for safety and efficiency.

- Have your gas appliance inspected annually by a qualified service technician.
- Ensure all gas connections remain tight and free of leaks.
- Keep the area around the appliance clear of combustible materials.
- Do not attempt to repair or modify the gas valve or conversion kit components yourself.

TROUBLESHOOTING

If you encounter issues after converting your gas valve, refer to the following troubleshooting guide. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Gas odor detected	Gas leak at connections or valve.	Immediately turn off gas supply. Ventilate area. Use leak detection solution to pinpoint leak. Tighten connections or replace faulty components. Do not operate appliance until leak is resolved.
Appliance not lighting or poor flame	Incorrect LP pressure setting, obstructed gas line, faulty igniter, incorrect installation of conversion kit.	Verify gas supply is on. Check LP pressure regulator adjustment. Ensure gas lines are clear. Re-check conversion kit installation steps. Consult appliance manual for igniter troubleshooting.
Appliance cycling on/off frequently	Improper pressure regulation, thermostat issue, or other appliance-specific problem.	Verify LP pressure setting. Consult appliance manual for thermostat or other component troubleshooting. Contact a qualified technician.

SPECIFICATIONS

- **Model Number:** 1751-016
- **Compatibility:** Robertshaw gas valve models 7000, 7010, 7100, 7200, 7222
- **Conversion Type:** Natural Gas to LP Gas
- **Package Dimensions:** Approximately 3 x 3 x 2 inches
- **Item Weight:** Approximately 0.16 ounces
- **Batteries Required:** No

WARRANTY AND SUPPORT

For specific warranty information regarding the Robertshaw 1751-016 Natural to LP Gas Conversion Kit, please refer to the documentation included with your purchase or visit the official Robertshaw website. For technical support or assistance with installation, it is recommended to contact Robertshaw customer service or a qualified HVAC professional.

Robertshaw Contact Information: Please refer to the Robertshaw official website or product packaging for the most current contact details.