

Qnbes Furnace Ignitor

Qnbes Furnace Ignitor Instruction Manual

Model: Furnace Ignitor (Replaces 632625, 1016290S, etc.)

Brand: Qnbes

1. INTRODUCTION

This manual provides essential information for the Qnbes Furnace Ignitor, designed to replace specific ignitor models in Nordyne, Intertherm, Broan, and Miller furnaces. This component is crucial for the safe and efficient operation of your heating system by initiating the combustion process.

The Qnbes Furnace Ignitor is engineered for rapid ignition, high temperature resistance, and durability, ensuring your furnace heats up quickly and reliably.

2. 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.

- Always disconnect electrical power to the furnace before attempting any installation or service.
- Turn off the gas supply to the furnace before beginning work.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Installation and service should be performed by a qualified installer, service agency, or gas supplier.
- Ensure all connections are secure and properly insulated after installation.

Refer to your furnace manufacturer's specific safety guidelines and installation instructions.

3. PRODUCT FEATURES

- **Fast Ignition Speed:** Responds quickly to ignition instructions, improving efficiency and ensuring rapid heating.
- **High-Quality Materials:** Constructed from materials with excellent high temperature resistance and wear resistance, maintaining stable performance in extreme environments.
- **Safety Performance:** Incorporates multiple built-in safety protection systems, including high temperature protection, short circuit protection, and flameout protection, to prevent equipment damage and accidents.
- **Energy Saving and Noise Reduction:** Utilizes advanced ignition technology to reduce gas consumption and optimize design for quieter operation.



Figure 1: High-Quality Materials of the Qnbess Furnace Ignitor, highlighting wear resistance, high temperature resistance, and corrosion prevention.

4. COMPATIBILITY

This Qnbess Furnace Ignitor is designed to be compatible with various furnace models from Nordyne, Intertherm, Broan, and Miller. It directly replaces the following part numbers:

- 632625
- 1016290S
- 632625R
- CMF95
- M7RL
- CMF95/M7
- N1016290S

Always verify the part number of your existing ignitor against the compatible models listed to ensure proper fit and function.

Compatible Models

Replace 632625 1016290S 632625R CMF95 M7RL CMF95/M7 N1016290S

Compatible with Intertherm

Compatible with Broan



Figure 2: Qnbess Furnace Ignitor compatible with Nordyne, Intertherm, Broan, and Miller furnaces.

5. SETUP AND INSTALLATION

IMPORTANT: Installation of this furnace ignitor should only be performed by a qualified HVAC technician. Incorrect installation can lead to serious safety hazards, including gas leaks, electrical shock, fire, or carbon monoxide poisoning. This section provides general guidance and is not a substitute for professional expertise or your furnace manufacturer's specific instructions.

General Installation Steps (for qualified technicians):

1. **Power and Gas Disconnection:** Ensure all electrical power and gas supply to the furnace are completely shut off at the main breakers and gas valve.
2. **Access the Ignitor:** Locate and carefully remove the access panel(s) to the furnace's burner assembly.
3. **Disconnect Old Ignitor:** Carefully disconnect the wiring harness from the old ignitor. Note its orientation and mounting position.
4. **Remove Old Ignitor:** Unfasten any screws or clips holding the old ignitor in place and remove it.
5. **Install New Ignitor:** Mount the new Qnbess Furnace Ignitor in the exact same position and orientation as the old one. Secure it with the appropriate fasteners.
6. **Connect Wiring:** Connect the new ignitor's wiring harness to the furnace's electrical system. Ensure a secure and proper connection.
7. **Reassemble and Test:** Replace all access panels. Restore gas and electrical power to the furnace. Initiate a heating cycle to test the new ignitor's function. Observe for proper ignition and operation.



Figure 3: Illustration of a furnace ignitor installation process, emphasizing ease of replacement for qualified personnel.

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Video 1: A demonstration of the 632625 Furnace Ignitor, showing its components and general appearance. This video is provided by YouVbeen, the seller.

6. OPERATING PRINCIPLES

The furnace ignitor is a critical component in modern gas furnaces. When the thermostat calls for heat, the furnace control board sends a signal to the ignitor. The ignitor, typically made of silicon carbide or silicon nitride, rapidly heats up to a very high temperature (glowing red hot).

Once the ignitor reaches its operating temperature, the gas valve opens, allowing gas to flow into the burner assembly. The hot ignitor then ignites the gas, creating a flame. A flame sensor detects the presence of the flame, signaling the control board that ignition has occurred, and the ignitor then cools down. This process ensures safe and controlled ignition of the furnace.

7. MAINTENANCE

Regular maintenance of your furnace, including the ignitor, is essential for optimal performance and longevity. While the ignitor itself requires minimal direct maintenance, periodic inspection is recommended.

- **Annual Inspection:** Have a qualified HVAC technician inspect your furnace annually. They will check the ignitor for signs of wear, cracks, or carbon buildup.
- **Cleaning:** If carbon buildup is observed on the ignitor, a technician may carefully clean it with fine-grit sandpaper or a soft brush. Avoid harsh chemicals or abrasive materials.
- **Replacement:** Ignitors have a finite lifespan. If the ignitor shows signs of damage, slow heating, or fails to ignite consistently, it should be replaced by a qualified technician.

Always ensure the furnace is powered off and gas supply is shut off before any inspection or cleaning.

8. TROUBLESHOOTING

If your furnace is not igniting or experiencing issues, the ignitor may be a contributing factor. Here are some common troubleshooting steps (to be performed by a qualified technician):

Symptom	Possible Cause	Action (Technician Only)
Furnace cycles but no ignition (no flame)	Faulty ignitor, ignitor not glowing, gas supply issue, flame sensor issue.	Check ignitor for glow. Verify gas supply. Inspect flame sensor. Replace ignitor if faulty.
Ignitor glows but no ignition	Gas valve not opening, low gas pressure, clogged burner.	Check gas valve operation. Verify gas pressure. Clean burner orifices.
Ignitor does not glow	No power to ignitor, broken ignitor element, faulty control board.	Check electrical connections. Test ignitor for continuity. Inspect control board. Replace ignitor if open circuit.

Always consult a qualified HVAC professional for accurate diagnosis and repair of furnace issues.

9. SPECIFICATIONS

Specification	Detail
Part Number	Furnace Ignitor
Item Weight	0.96 ounces
Package Dimensions	3.5 x 2.3 x 0.9 inches
Item Package Quantity	1
Batteries Included?	No
Batteries Required?	No
Manufacturer	YouVbeen
ASIN	B0DQ13P62K

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Qnbess Furnace Ignitor, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

For general inquiries or assistance, you may refer to the contact information provided by the retailer or the Qnbess brand website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question