

**KHANH151125.461**

## Generic 1017743S Gas Furnace Igniter Instruction Manual

### **1. INTRODUCTION**

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This manual provides essential information for the safe and effective use of the Generic 1017743S Gas Furnace Igniter. This component is designed to replace specific OEM igniters in various gas furnace models. Please read all instructions carefully before installation or maintenance.

### **2. PRODUCT OVERVIEW**

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The 1017743S Gas Furnace Igniter is a hot surface igniter (HSI) responsible for igniting the gas in your furnace's burner. It consists of a durable ceramic heating element, insulated wiring, and a connector for electrical attachment.



The image displays the Generic 1017743S Gas Furnace Igniter. It features a black ceramic igniter element at one end, connected by white wires to a white plastic connector at the other end. A metal flange is visible near the ceramic element.

### 3. COMPATIBILITY

This igniter is a direct replacement for the following OEM part numbers: **904839**, **632504**, and **921074**. It is compatible with various gas furnace models, including but not limited to:

- FG7SA 045C-23A, KG7SA 045C-23A, MGC2SA045C23A
- FG7SA 054C-23A, MGC2SA054C23A
- FG7SA 072C-24B, KG7SA 072C-24B, MGC2SA072C24B
- FG7SA 090C-24B, MGC2SA090C24B
- FG7SA 072C-35C, KG7SA 072C-35C, MGC2SA072C35C
- FG7SA 090C-35C, KG7SA 090C-35C, MGC2SA090C35C
- FG7SA 108C-35C, KG7SA 108C-35C, MGC2SA108C35C
- FG7SA 126C-45D, MGC2SA126C45D
- FG7SK 054C-23A, KG7SK 054C-23A, MGC2SK054C23A
- FG7SK 072C-24B, KG7SK 072C-24B, MGC2SK072C24B
- FG7SK 090C-24B, KG7SK 090C-24B, MGC2SK090C24B

- FG7SK 108C-35C, MGC2SK108C35C
- KG7SK 126C-45D, MGC2SK126C45D

Always verify compatibility with your specific furnace model before installation.

## 4. SAFETY INFORMATION

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**WARNING:** Installation and servicing of heating equipment can be hazardous due to gas and electrical components. Only qualified service personnel should install, repair, or service heating equipment. Failure to follow this warning could result in fire, explosion, electrical shock, property damage, personal injury, or death.

- Always disconnect electrical power to the furnace before beginning any installation or service.
- Turn off the gas supply to the furnace before working on the igniter.
- Handle the igniter carefully. The ceramic element is fragile and can break easily if dropped or mishandled.
- Do not touch the ceramic element with bare hands, as oils from your skin can reduce its lifespan.
- Ensure all connections are secure and properly insulated after installation.

## 5. INSTALLATION/SETUP

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The following are general steps for replacing a gas furnace igniter. Specific procedures may vary by furnace model. Refer to your furnace's service manual for detailed instructions.

1. **Disconnect Power and Gas:** Turn off the electrical power to the furnace at the circuit breaker and close the manual gas shut-off valve.
2. **Access Igniter:** Locate and remove the furnace access panel(s) to expose the burner assembly and igniter.
3. **Disconnect Old Igniter:** Carefully disconnect the electrical connector from the old igniter. Remove any mounting screws or clips holding the igniter in place.
4. **Remove Old Igniter:** Gently pull the old igniter out of its mounting bracket.
5. **Install New Igniter:** Carefully insert the new 1017743S igniter into the mounting bracket. Secure it with the original screws or clips. Ensure the ceramic element is positioned correctly according to your furnace's specifications.
6. **Connect Wiring:** Plug the new igniter's electrical connector securely into the furnace's wiring harness.
7. **Restore Power and Gas:** Replace all access panels. Turn on the gas supply and restore electrical power to the furnace.
8. **Test Operation:** Initiate a call for heat to verify the igniter functions correctly and the furnace lights properly. Observe the igniter glow and the burner ignition.

## 6. OPERATING INSTRUCTIONS

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The 1017743S Gas Furnace Igniter operates automatically as part of your furnace's ignition sequence. When the thermostat calls for heat:

1. The igniter receives power and begins to heat up, glowing bright orange.
2. Once the igniter reaches a sufficient temperature, the gas valve opens, allowing gas to flow over the hot surface igniter.
3. The gas ignites, and the main burners light.

4. The igniter then de-energizes and cools down until the next call for heat.

## 7. MAINTENANCE

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The gas furnace igniter typically requires minimal maintenance. However, periodic inspection during routine furnace servicing is recommended:

- Visually inspect the ceramic element for cracks, chips, or signs of excessive wear.
- Check the wiring for any signs of fraying, burning, or loose connections.
- Ensure the igniter is securely mounted and properly positioned.

If any damage is observed, the igniter should be replaced by a qualified technician.

## 8. TROUBLESHOOTING

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If your furnace is not igniting, the igniter may be a potential cause. Common symptoms of a faulty igniter include:

- **No Glow:** The igniter does not glow bright orange when the furnace attempts to start.
- **Intermittent Glow:** The igniter glows intermittently or weakly.
- **Cracked or Broken Element:** Visible damage to the ceramic igniter element.
- **Furnace Cycles On and Off:** The furnace attempts to ignite but fails, leading to repeated cycling.

If you suspect the igniter is faulty, it should be tested and replaced by a qualified HVAC technician.

## 9. SPECIFICATIONS

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Feature	Specification
Manufacturer	VANKHANHSHOP
Part Number	KHANH151125.461
Item Model Number	KHANH151125.461
Power Source	AC
ASIN	B0G2GLWMRR
Date First Available	November 15, 2025

## 10. WARRANTY AND SUPPORT

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For specific warranty information, please refer to the product packaging or contact the retailer where the igniter was purchased. For technical support or assistance with installation, it is recommended to consult a certified HVAC professional.