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ClimaTek CECOMINOD037581

ClimaTek Furnace Igniter Replacement Manual

Model: CECOMINOD037581 (Replaces Trane AF3033, KIT-3033, KIT03033, DS010KX)

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your ClimaTek Furnace Igniter, model CECOMINOD037581. This igniter is designed as a direct aftermarket replacement for various Trane furnace igniter models, including AF3033, KIT-3033, KIT03033, and DS010KX. Please read this manual thoroughly before attempting any installation or service.

SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Installation and service must be performed by a qualified installer, service agency, or gas supplier.

- Always disconnect electrical power to the furnace before installing or servicing the igniter.
- Turn off the gas supply to the furnace before beginning any work.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Ensure all connections are secure and properly insulated.
- Do not touch the igniter element with bare hands, as oils can shorten its lifespan.
- Verify that the replacement igniter is compatible with your specific furnace model.

PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.



Image: The ClimaTek Furnace Igniter kit. This image displays the white ceramic igniter with its electrical wires and connector, two mounting screws, two ceramic wire nuts, and a metal mounting bracket.

- 1x ClimaTek Furnace Igniter (Model CECOMINOD037581)
- 1x Mounting Bracket (metal)
- 2x Mounting Screws
- 2x Ceramic Wire Nuts

INSTALLATION (SETUP)

This procedure requires basic electrical and mechanical skills. If you are unsure, consult a qualified HVAC technician.

1. **Power Disconnection:** Locate the furnace's electrical disconnect switch and turn off all power to the unit. Additionally, turn off the gas supply to the furnace.
2. **Access Igniter:** Open the furnace access panel to locate the existing igniter. It is typically found near the burner assembly.
3. **Remove Old Igniter:** Carefully disconnect the electrical wires from the old igniter. Note their orientation for proper re-connection. Unscrew any mounting hardware holding the old igniter in place and remove it.
4. **Inspect Area:** Clean any debris or carbon buildup from the igniter mounting area.
5. **Install New Igniter:** Mount the new ClimaTek igniter using the provided mounting bracket and screws. Ensure it is securely fastened and positioned correctly according to your furnace's specifications. Avoid overtightening.
6. **Connect Wiring:** Connect the new igniter's wires to the furnace wiring. Use the provided ceramic wire nuts to ensure secure and insulated connections. Double-check that the connections match the original wiring configuration.
7. **Secure Access Panel:** Close and secure the furnace access panel.
8. **Restore Power and Gas:** Turn on the gas supply to the furnace, then restore electrical power.
9. **Test Operation:** Initiate a heating cycle on your thermostat to test the furnace's operation. Observe the igniter to ensure it glows and ignites the gas burners properly.

OPERATION

The furnace igniter is a critical component in modern gas furnaces. When a call for heat is initiated by the thermostat, the igniter receives electrical current and heats up to a very high temperature, glowing red. This hot surface then ignites the gas flowing from the burners. Once the gas is ignited, a flame sensor confirms the

presence of a flame, and the igniter typically deactivates until the next heating cycle. The ClimaTek igniter functions identically to the original equipment it replaces, ensuring reliable furnace startup.

MAINTENANCE

The ClimaTek furnace igniter is a sealed component and does not require routine maintenance. Its lifespan is primarily determined by usage and environmental factors within the furnace. To ensure optimal performance and longevity of your furnace system, it is recommended to:

- Schedule annual professional furnace inspections and servicing.
- Ensure proper airflow by regularly changing or cleaning furnace filters.
- Keep the area around the furnace clear of obstructions and combustible materials.

If the igniter appears cracked, discolored, or fails to glow during a heating cycle, it likely requires replacement.

TROUBLESHOOTING

If your furnace is not operating correctly after igniter replacement, consider the following common issues:

Problem	Possible Cause	Solution
Furnace does not start, igniter does not glow.	No power to furnace, faulty wiring connection, igniter failure (unlikely if new).	Check circuit breaker. Verify all electrical connections are secure. Ensure furnace access panel is closed properly.
Igniter glows, but gas does not ignite.	Gas supply off, faulty gas valve, dirty burners, flame sensor issue.	Ensure gas supply valve is open. Check for obstructions in burner ports. Inspect flame sensor for dirt or damage.
Igniter glows, gas ignites, but furnace cycles off quickly.	Flame sensor not detecting flame, restricted airflow, dirty filter.	Clean or replace furnace filter. Clean flame sensor. Ensure all vents are open.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified HVAC technician for further diagnosis and repair.

SPECIFICATIONS

- **Brand:** ClimaTek
- **Model Number:** CECOMINOD037581
- **Replaces:** Trane AF3033, KIT-3033, KIT03033, DS010KX
- **Part Number:** AF3033 (Manufacturer's reference)
- **Item Weight:** 5.3 ounces
- **Product Dimensions:** 8.5 x 11 x 1 inches
- **Batteries Required:** No
- **Manufacturer:** Seneca River Trading

WARRANTY INFORMATION

Specific warranty details for this ClimaTek product may vary. Please refer to the product packaging or contact the seller directly for information regarding warranty coverage and terms. Keep your proof of purchase for any

warranty claims.

SUPPORT

For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact the seller or a certified HVAC professional. Always prioritize safety and consult with qualified personnel for complex issues related to your furnace system.