

## Evergreen CECOMINOD085195

# Evergreen Genteq X-13 Furnace Blower Motor User Manual

Model: CECOMINOD085195

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Evergreen Genteq X-13 Furnace Blower Motor. Please read this manual thoroughly before attempting any installation or operation. Retain this manual for future reference.

## 2. SAFETY INFORMATION

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**WARNING: Risk of Electric Shock and Injury.**

- Always disconnect power to the furnace or air handler before installing, servicing, or removing the motor. Failure to do so can result in severe personal injury or death.
- Installation and servicing should only be performed by a qualified HVAC technician or licensed electrician.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not operate the motor if it is damaged or if any electrical components are exposed.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation and maintenance.
- Keep hands and loose clothing away from moving parts during operation.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact your supplier immediately.

- Evergreen Genteq X-13 Furnace Blower Motor (Model: CECOMINOD085195)



Image of the Evergreen Genteq X-13 Furnace Blower Motor, showing its compact design and electrical connections.

## 4. SETUP AND INSTALLATION

This motor is designed as a replacement for existing X-13 type furnace blower motors. Professional installation is highly recommended.

### 4.1 Pre-Installation Checks

1. Ensure the replacement motor specifications (voltage, horsepower, frame size) match the original motor. This motor is 3/4 HP, 230 Volt.
2. Inspect the motor for any visible damage that may have occurred during shipping.
3. Gather necessary tools: screwdrivers, wire strippers, multimeter, safety glasses, gloves.

### 4.2 Installation Steps

1. **Disconnect Power:** Locate the main power switch for your furnace or air handler and turn it OFF. Verify power is off using a multimeter.
2. **Access Blower Compartment:** Open the access panel to the blower compartment of your furnace or air handler.
3. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old motor. Note the position and color of each wire for correct re-connection. Take photos if necessary.
4. **Remove Old Motor:** Unmount and remove the old blower motor. This may involve removing mounting bolts or clamps.
5. **Install New Motor:** Position the new Evergreen Genteq X-13 motor in the blower housing. Secure it using the original mounting hardware. Ensure the motor is firmly seated and aligned.
6. **Connect Wiring:** Reconnect the electrical wiring to the new motor, matching the connections noted from the old motor. Ensure all connections are tight and secure. Refer to the wiring diagram on the motor label if available.
7. **Close Compartment:** Close and secure the blower compartment access panel.

8. **Restore Power:** Turn the main power switch for the furnace or air handler back ON.

## 5. OPERATING INSTRUCTIONS

The Evergreen Genteq X-13 Furnace Blower Motor operates automatically in conjunction with your furnace or air conditioning system's control board. Once properly installed and powered, the motor will engage and disengage as required by the system's thermostat and operational cycles.

- **Initial Start-up:** After installation and power restoration, initiate a heating or cooling cycle from your thermostat to test the motor's operation.
- **Normal Operation:** The motor should run smoothly with minimal noise. Airflow should be consistent through your ductwork.
- **Abnormal Operation:** If you observe unusual noises, vibrations, or lack of airflow, immediately shut off power to the unit and refer to the Troubleshooting section.

## 6. MAINTENANCE

The Evergreen Genteq X-13 Furnace Blower Motor is designed for long-term, maintenance-free operation. It features permanently lubricated bearings and does not require periodic oiling.

- **Annual Inspection:** It is recommended to have a qualified technician inspect the motor and blower assembly annually as part of routine HVAC system maintenance.
- **Cleaning:** Ensure the blower wheel and motor exterior remain free of dust and debris. Accumulation of dirt can reduce efficiency and lead to overheating. Always disconnect power before cleaning. Use a soft brush or vacuum cleaner to remove dust. Do not use liquids directly on the motor.
- **Air Filter:** Regularly check and replace your furnace's air filter. A clogged filter can restrict airflow, causing the blower motor to work harder and potentially overheat.

## 7. TROUBLESHOOTING

Before performing any troubleshooting steps, ensure power to the unit is disconnected.

Problem	Possible Cause	Solution
Motor does not start	No power supply Incorrect wiring Faulty control board	Check circuit breaker and power switch. Verify wiring connections against diagram. Consult a qualified technician.
Motor makes unusual noise or vibrates	Loose mounting Debris in blower wheel Damaged motor bearings	Tighten mounting bolts. Inspect and clean blower wheel. Consult a qualified technician for motor replacement.
Motor overheats and shuts off	Restricted airflow (clogged filter) Overload Insufficient ventilation	Replace air filter. Ensure proper voltage and load. Ensure blower compartment is clear.
Weak or no airflow	Clogged air filter Blower wheel obstruction Motor running slowly	Replace air filter. Inspect and clean blower wheel. Consult a qualified technician.

If troubleshooting steps do not resolve the issue, or if you are unsure about any procedure, contact a qualified HVAC service professional.

## 8. SPECIFICATIONS

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- **Brand:** Evergreen
- **Manufacturer:** Genteq
- **Model Number:** GECOMINOD085195
- **Horsepower:** 0.75 HP (3/4 HP)
- **Voltage:** 230 Volts
- **Material:** Copper
- **Product Dimensions:** 9 x 9 x 17 inches
- **ASIN:** B00STPY9MS
- **Date First Available:** January 27, 2015

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided at the point of purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase for warranty claims.