

Fasco CECOMINOD072120

Fasco 70623861 Rheem Furnace Draft Inducer Motor Instruction Manual

Model: CECOMINOD072120

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Fasco 70623861 Rheem Furnace Draft Inducer/Exhaust Vent Venter Motor. This component is designed to expel exhaust gases from a furnace, ensuring proper ventilation and safe operation of the heating system.

The Fasco 70623861 is a replacement part compatible with specific Rheem furnace models. Proper installation and regular maintenance are crucial for the longevity and efficient performance of your furnace system.

2. SAFETY INFORMATION

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 this draft inducer motor. Failure to follow these instructions could result in property damage, personal injury, or death.

- Always disconnect electrical power to the furnace before attempting any installation, maintenance, or repair.
- Ensure the gas supply to the furnace is turned off before beginning work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Verify all wiring connections are secure and correctly matched according to the furnace manufacturer's specifications.
- Check for gas leaks after any work involving gas lines.
- Do not operate the furnace if any part is damaged or missing.

3. SETUP AND INSTALLATION

This section outlines the general steps for replacing a furnace draft inducer motor. Specific procedures may vary

depending on your furnace model. Refer to your furnace's service manual for detailed instructions.

3.1 Pre-Installation Checks

- Confirm that the Fasco 70623861 motor is the correct replacement part for your Rheem furnace model.
- Inspect the new motor for any visible damage from shipping.
- Gather necessary tools, which typically include screwdrivers, wrenches, and electrical testers.

3.2 Installation Steps

1. **Disconnect Power:** Turn off the electrical power to the furnace at the main breaker or disconnect switch. Verify power is off using a voltage tester.
2. **Turn Off Gas Supply:** Close the manual gas shut-off valve to the furnace.
3. **Access Inducer Motor:** Locate the draft inducer motor assembly on your furnace. This typically involves removing the furnace's front access panels.
4. **Disconnect Components:**
 - Carefully disconnect the wiring harness from the motor. Note the orientation for reinstallation.
 - Disconnect the separate grounding wire.
 - Remove any small rubber or vacuum tubes connected to the inducer housing.
 - Disconnect the exhaust vent pipe from the inducer housing.
5. **Remove Old Motor:** Unscrew the mounting screws (typically 5 screws: four securing the motor to the furnace body and one on the plastic outlet tube) that hold the inducer motor assembly in place. Carefully remove the old motor.
6. **Install New Motor:** Position the new Fasco 70623861 draft inducer motor in the same location as the old one. Secure it with the mounting screws, ensuring a snug fit.
7. **Reconnect Components:**
 - Reconnect the exhaust vent pipe to the inducer housing.
 - Reattach the small rubber/vacuum tubes.
 - Connect the grounding wire.
 - Plug in the wiring harness, ensuring it is fully seated.
8. **Replace Panels:** Reinstall any furnace access panels that were removed.
9. **Restore Power and Gas:** Turn on the gas supply and restore electrical power to the furnace.
10. **Test Operation:** Initiate a heating cycle to verify the new inducer motor operates correctly and the furnace functions as expected. Listen for unusual noises and check for proper exhaust venting.



Image 1: Fasco 70623861 Rheem Furnace Draft Inducer Motor. This image shows the complete draft inducer motor assembly, including the motor housing and fan.

4. OPERATION

Once installed, the Fasco 70623861 draft inducer motor operates automatically as part of your furnace's heating cycle. When the thermostat calls for heat, the inducer motor typically starts first to create a negative pressure in the combustion chamber, drawing in fresh air and expelling residual exhaust gases.

- **Normal Sound:** The motor will produce a humming or whirring sound during operation. A slight increase in sound compared to an old, failing unit may be normal for a new, more efficient motor.
- **Safety Switches:** The inducer motor works in conjunction with pressure switches. If the motor fails to create sufficient draft, these switches will prevent the furnace from igniting, ensuring safety.

5. MAINTENANCE

Regular maintenance helps ensure the efficient and safe operation of your furnace and its components, including the draft inducer motor. It is recommended to have your furnace inspected annually by a qualified HVAC technician.

- **Visual Inspection:** Periodically inspect the inducer motor and its housing for any signs of corrosion, damage, or loose connections. Ensure the exhaust vent pipe is clear of obstructions.
- **Cleaning:** With power disconnected, gently clean the exterior of the motor and fan blades using a soft brush or vacuum cleaner. Do not use liquids directly on electrical components.
- **Vibration Check:** During operation, listen for excessive vibration or unusual noises, which could indicate a problem with the motor bearings or fan impeller.

6. TROUBLESHOOTING

If your furnace is not operating correctly after installing the new draft inducer motor, consider the following common

issues. Always ensure power is disconnected before inspecting internal components.

Problem	Possible Cause	Solution
Motor does not start or furnace does not ignite.	• No power to the furnace. • Loose or incorrect wiring connections. • Blocked exhaust vent. • Faulty pressure switch. • Motor malfunction.	• Check circuit breaker and furnace disconnect switch. • Verify all wiring connections are secure and correct. • Inspect exhaust vent for obstructions. • Consult a qualified technician to diagnose pressure switch or motor issues.
Motor is excessively noisy or vibrating.	• Loose mounting screws. • Debris in the fan impeller. • Motor bearing issue.	• Ensure all mounting screws are tightened. • Disconnect power and inspect fan for debris; carefully remove if found. • If noise persists, motor may require replacement or professional service.
Furnace cycles on and off rapidly (short cycling).	• Insufficient draft due to blockage. • Pressure switch malfunction.	• Check exhaust vent and inducer housing for obstructions. • Contact a qualified technician for diagnosis.

For complex issues or if you are unsure about any troubleshooting step, it is highly recommended to contact a qualified HVAC professional.

7. SPECIFICATIONS

Feature	Detail
Brand	Fasco
Part Number (Replacement for Rheem)	70623861
Model Number	CECOMINOD072120
Item Weight	5.3 pounds
Product Dimensions	6 x 6 x 6 inches
Material	Components suitable for furnace environments
Item Package Quantity	1
Speed	3000 rpm

8. WARRANTY AND SUPPORT

Warranty Information: Specific warranty terms for the Fasco 70623861 draft inducer motor are typically provided by the manufacturer or the seller at the time of purchase. Please retain your proof of purchase (receipt or invoice) as it will be required for any warranty claims. For detailed warranty information, refer to the documentation included with your product or contact the seller directly.

Technical Support: For technical assistance, installation guidance, or troubleshooting beyond the scope of this manual, please contact the seller or a qualified HVAC professional. When contacting support, have your product model number (CECOMINOD072120) and part number (70623861) available.

