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Fasco D9886202

Fasco D9886202 Furnace Draft Inducer Exhaust Motor User Manual

Model: D988602 | Brand: Fasco

INTRODUCTION

This manual provides essential information for the safe and effective use of the Fasco D9886202 Furnace Draft Inducer Exhaust Motor. This motor is designed as an upgraded replacement component for furnace systems. Its primary function is to expel exhaust gases from the furnace, ensuring proper combustion and safe operation of the heating unit.



Image: Fasco D9886202 Furnace Draft Inducer Exhaust Motor. This image displays the complete motor unit, including the housing and fan assembly, ready for installation.

SETUP AND INSTALLATION

WARNING: Installation of this furnace component involves working with electrical connections and

gas lines. Improper installation can result in serious injury, property damage, or death. It is strongly recommended that installation be performed by a qualified HVAC professional.

Before attempting any installation, ensure the main power supply to the furnace is completely disconnected at the circuit breaker or fuse box. Turn off the gas supply to the furnace.

1. **Power Disconnection:** Locate the furnace's circuit breaker and switch it to the 'OFF' position. Verify power is off using a voltage tester.
2. **Gas Shut-off:** Turn off the gas supply valve to the furnace.
3. **Access:** Carefully open the furnace access panels to expose the existing draft inducer motor.
4. **Disconnect Wiring:** Label and disconnect all electrical wires connected to the old motor. Take photos for reference if needed.
5. **Remove Old Motor:** Unbolt and carefully remove the old draft inducer motor from its mounting. Note the orientation and any gaskets or seals.
6. **Install New Motor:** Position the Fasco D9886202 motor in the same orientation as the old unit. Secure it with the appropriate bolts and ensure any gaskets or seals are properly seated to prevent leaks.
7. **Reconnect Wiring:** Reconnect the electrical wires to the new motor, matching them to the labels or photos taken earlier. Ensure all connections are secure.
8. **Close Access:** Replace all furnace access panels securely.
9. **Restore Power and Gas:** Turn the gas supply back on. Restore power to the furnace at the circuit breaker.
10. **Test Operation:** Initiate a heating cycle on the thermostat to test the furnace and the new inducer motor's operation. Observe for proper exhaust expulsion and listen for unusual noises.

OPERATING INSTRUCTIONS

The Fasco D9886202 Furnace Draft Inducer Exhaust Motor operates automatically as an integral part of your furnace's heating cycle. There are no direct user controls for this component.

- When the thermostat calls for heat, the furnace control board initiates the draft inducer motor.
- The motor creates a negative pressure (draft) within the combustion chamber, drawing in fresh air for combustion and expelling combustion byproducts through the exhaust vent.
- Once sufficient draft is established and verified by pressure switches, the igniter activates, followed by the main burner.
- The inducer motor continues to operate throughout the heating cycle to ensure proper ventilation of exhaust gases.
- Upon completion of the heating cycle, the inducer motor will typically run for a short post-purge period before shutting off.

Ensure that the furnace's exhaust vent is clear of obstructions to allow the inducer motor to function correctly.

MAINTENANCE GUIDELINES

The Fasco D9886202 Draft Inducer Exhaust Motor is designed for reliable operation with minimal user maintenance. However, periodic inspection is recommended as part of your overall furnace maintenance schedule.

- **Annual Inspection:** It is advisable to have a qualified HVAC technician inspect the inducer motor annually during routine furnace servicing.
- **Check for Obstructions:** Ensure that the motor's fan blades and housing are free from debris, dust, or foreign objects that could impede its operation or cause imbalance.
- **Listen for Unusual Noises:** During furnace operation, listen for any unusual grinding, squealing, or rattling noises coming from the inducer motor, which could indicate a bearing issue or obstruction.
- **Vibration Check:** Observe if the motor exhibits excessive vibration during operation. Excessive vibration can lead to premature wear.
- **Ventilation System:** Regularly check the furnace's exhaust venting system for blockages, leaks, or damage that could affect the inducer motor's performance.

Do not attempt to lubricate sealed bearings or disassemble the motor, as this can void any potential warranty and may damage the unit.

TROUBLESHOOTING

If your furnace is experiencing issues related to exhaust ventilation, the draft inducer motor may be a contributing factor. Always consult a qualified HVAC technician for diagnosis and repair.

Symptom	Possible Cause	Recommended Action
Furnace not igniting, no inducer motor sound	No power to furnace, faulty control board, faulty pressure switch, seized motor.	Check furnace power supply. Consult HVAC technician for diagnosis of control board, pressure switch, or motor.
Inducer motor runs but furnace does not ignite	Blocked exhaust vent, faulty pressure switch, faulty igniter, gas supply issue.	Check exhaust vent for obstructions. Consult HVAC technician for further diagnosis.
Unusual noises (grinding, squealing) from motor	Worn bearings, debris in fan housing, loose mounting.	Turn off furnace immediately. Consult HVAC technician for inspection and repair/replacement.
Motor runs intermittently or cycles on/off rapidly	Overheating, electrical issue, control board fault.	Consult HVAC technician for electrical and control system diagnosis.

Always ensure power is disconnected before inspecting any furnace components. Do not attempt repairs if you are not qualified.

SPECIFICATIONS

The following are key specifications for the Fasco D9886202 Furnace Draft Inducer Exhaust Motor:

- **Model Number:** D9886202
- **Brand:** Fasco
- **Product Dimensions:** Approximately 12 x 12 x 12 inches
- **Item Weight:** Approximately 10 pounds
- **Manufacturer:** Fasco

- **ASIN:** B00FENDL18
- **Date First Available:** September 24, 2013

These specifications are subject to change without notice. For the most current information, please refer to the product packaging or contact Fasco directly.

WARRANTY INFORMATION

Specific warranty details for the Fasco D9886202 Furnace Draft Inducer Exhaust Motor are typically provided by the manufacturer or the authorized seller at the time of purchase. Please retain your proof of purchase for any warranty claims.

For information regarding the manufacturer's warranty, please refer to the documentation included with your product or visit the official Fasco website. Any extended protection plans offered by third parties are separate from the manufacturer's warranty.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries regarding your Fasco D9886202 Furnace Draft Inducer Exhaust Motor, please contact your authorized Fasco dealer or the seller from whom you purchased the product.

You may also visit the official Fasco website for general product information and support resources.