

Fasco A072

Fasco A072 Draft Inducer Instruction Manual

Model: A072

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of the Fasco A072 Draft Inducer. This unit is designed for use in compatible Trane furnace systems to ensure proper exhaust gas ventilation. Please read this manual thoroughly before proceeding with any installation or service.

2. SAFETY INFORMATION

WARNING: Installation and service of this draft inducer must be performed by a qualified technician. Failure to follow these instructions could result in property damage, personal injury, or death.

- Always disconnect power to the furnace before installing or servicing the draft inducer.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure all electrical connections are secure and comply with local electrical codes.
- Verify proper venting and combustion air supply after installation.
- Do not operate the furnace if the draft inducer is damaged or malfunctioning.

3. PRODUCT OVERVIEW

The Fasco A072 Draft Inducer is a critical component in forced-draft furnace systems, responsible for drawing combustion gases out of the heat exchanger and expelling them through the flue. This ensures efficient combustion and prevents hazardous gas buildup.



Figure 3.1: Front-side view of the Fasco A072 Draft Inducer. This image displays the motor housing, fan assembly, and the exhaust outlet.



Figure 3.2: Bottom view of the Fasco A072 Draft Inducer, illustrating the fan blades and mounting plate.

4. SPECIFICATIONS

Refer to the following table for detailed specifications of the Fasco A072 Draft Inducer:

Feature	Detail
Model Number	A072
Brand	Fasco
Voltage	115 Volts

Feature	Detail
Speed	3000 RPM
Item Weight	15 Pounds
Compatible Trane Part Numbers	J238-1344, 7058-1726
UPC/GTIN	663001335139

5. INSTALLATION

Important: Installation should only be performed by a certified HVAC technician. Incorrect installation can lead to unsafe operation and void the product warranty.

1. **Power Disconnection:** Turn off all electrical power to the furnace at the main service panel.
2. **Access:** Locate and access the existing draft inducer motor within the furnace assembly.
3. **Disconnection:** Disconnect all wiring from the old draft inducer. Note the position of each wire for correct re-connection.
4. **Removal:** Unbolt and carefully remove the old draft inducer from its mounting. Be aware of any gaskets or seals that may need replacement.
5. **Gasket/Seal:** Inspect and replace the gasket or seal between the draft inducer and the furnace housing if necessary. Use a high-temperature sealant if recommended by the furnace manufacturer.
6. **Mounting New Unit:** Position the Fasco A072 Draft Inducer and secure it with the appropriate bolts. Ensure a tight, airtight seal.
7. **Wiring:** Reconnect all electrical wiring to the new draft inducer, matching the connections noted during removal.
8. **Verification:** Double-check all connections and mounting for security and proper alignment.
9. **Power Restoration:** Restore power to the furnace.
10. **Test Operation:** Initiate a heating cycle to verify the draft inducer operates correctly and that there are no unusual noises or exhaust leaks.

6. OPERATION

The Fasco A072 Draft Inducer operates automatically as part of your furnace's heating cycle. When the thermostat calls for heat, the furnace control board activates the draft inducer motor. This motor creates a negative pressure (draft) in the combustion chamber, pulling fresh air in for combustion and expelling exhaust gases through the flue. A pressure switch monitors this draft. If sufficient draft is not established, the furnace will not ignite, acting as a safety mechanism to prevent the release of combustion gases into your living space.

7. MAINTENANCE

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

- **Inspection:** During annual service, the technician should inspect the draft inducer for signs of wear, corrosion, or damage.
- **Cleaning:** The fan blades and housing may accumulate debris or soot over time. A technician can safely clean these components to maintain optimal airflow.
- **Noise Check:** Listen for unusual noises (e.g., grinding, rattling) during operation, which could indicate bearing wear or impeller imbalance.

- **Gasket Integrity:** Ensure the mounting gasket remains intact and provides an airtight seal.

8. TROUBLESHOOTING

If your furnace is not operating correctly, the draft inducer may be a contributing factor. **Always consult a qualified HVAC technician for diagnosis and repair.**

Symptom	Possible Cause	Action (<i>Technician Recommended</i>)
Draft inducer runs, but furnace does not ignite.	Pressure switch not closing, blocked flue, faulty igniter.	Check pressure switch, clear flue, inspect igniter.
Draft inducer makes loud grinding or rattling noise.	Worn bearings, debris in blower wheel, loose mounting.	Inspect for debris, check mounting, replace motor if bearings are worn.
Draft inducer does not run at all.	No power, faulty motor, control board issue.	Check power supply, test motor, diagnose control board.
Furnace cycles on and off rapidly (short cycling).	Blocked flue, faulty pressure switch, overheating.	Clear flue, test pressure switch, check for airflow restrictions.

9. WARRANTY & SUPPORT

For specific warranty information regarding your Fasco A072 Draft Inducer, please refer to the documentation provided at the time of purchase or contact Fasco customer support directly. Keep your proof of purchase for warranty claims. For technical support or service, it is recommended to contact a qualified HVAC professional. They can provide expert diagnosis and repair services for your furnace system.

