

Fasco A175

Fasco A175 Blower Instruction Manual

Model: A175 | Brand: Fasco

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1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fasco A175 Shaded Pole OEM Replacement Blower. Please read these instructions thoroughly before proceeding with installation or use. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect power to the unit before performing any service or maintenance.
- Ensure all electrical connections comply with local codes and ordinances.
- This blower is designed for specific applications (gas or oil furnaces and heaters). Do not use it for unintended purposes.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Keep hands and loose clothing away from moving parts.
- If you are unsure about any part of the installation or service, consult a qualified technician.

3. PRODUCT OVERVIEW

The Fasco A175 is a shaded pole OEM replacement blower designed for specific applications, primarily in gas or oil furnaces and heaters. It features a durable sleeve bearing design and is thermally protected for enhanced safety and longevity. This unit is UL recognized and CSA or ULc certified, ensuring compliance with safety standards.



Figure 1: Fasco A175 Blower Assembly, showing the complete unit.

Key features include:

- **Thermally Protected:** Integrated protection against overheating.
- **Certifications:** UL recognized; CSA or ULc certified for safety and quality.
- **Rotation:** Counterclockwise shaft end rotation (CCWSE).
- **Bearing Type:** Sleeve bearings for smooth operation.
- **Application:** Suitable for gas or oil furnaces and heaters.

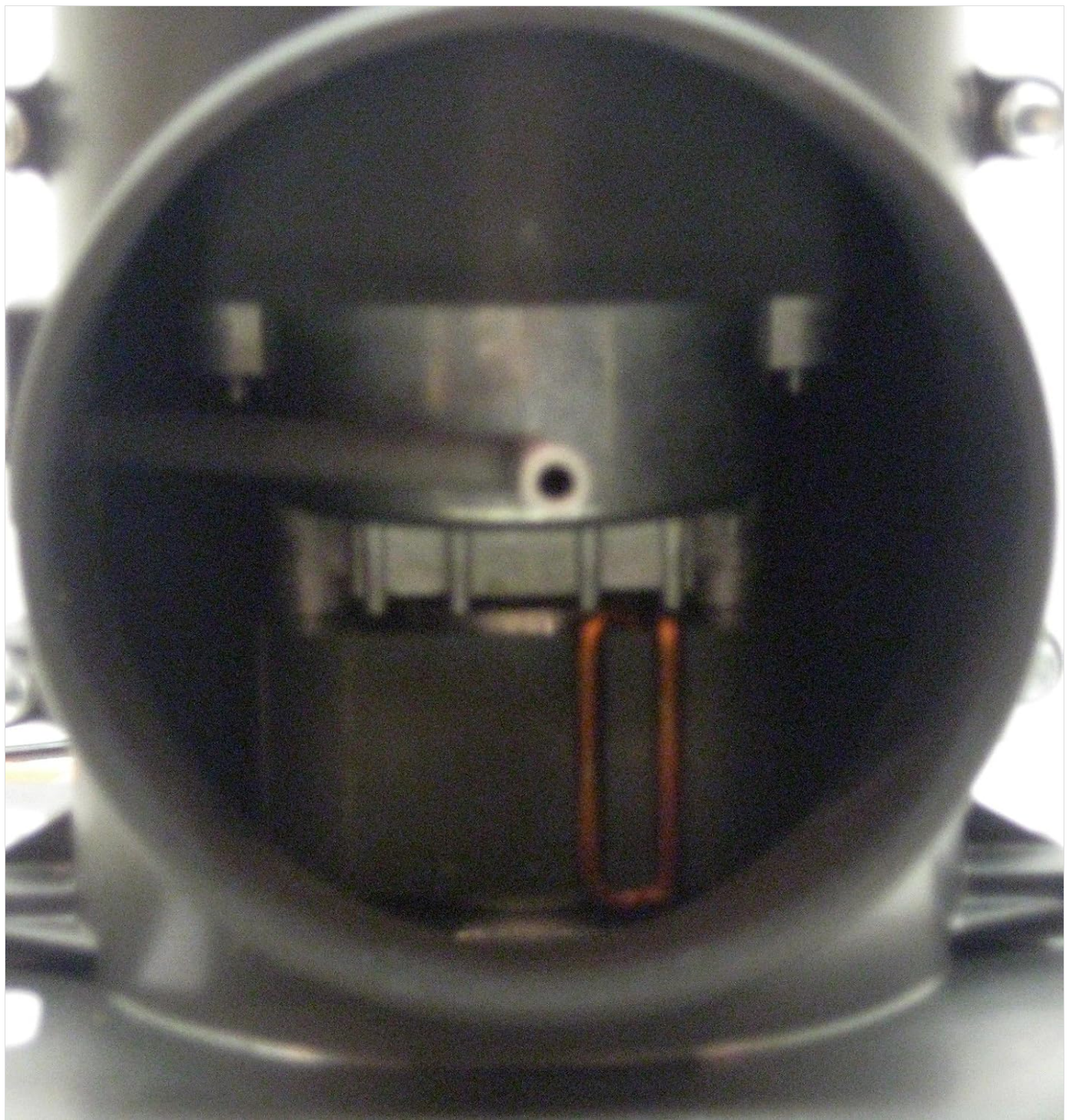


Figure 2: Side view of the Fasco A175 Blower, illustrating its compact design.

This blower is an OEM replacement for various systems, including cross-reference models like ICP 7002-1891 and 1708-600P.



Figure 3: Close-up view of the Fasco A175 motor housing.

4. SPECIFICATIONS

Refer to the following table for detailed technical specifications of the Fasco A175 Blower.

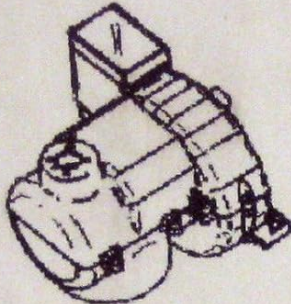
Attribute	Value
Brand	Fasco
Model Number	A175
Horsepower (HP)	1/40 HP (0.025 HP)
Speed	3300 RPM
Voltage	115 Volts
Amperage	1.3 Amps
Frequency	60 Hz
Rotation	Counterclockwise Shaft End (CCWSE)
Bearing Type	Sleeve Bearing
Thermal Protection	Yes
Ventilation	Open
Wheel Size	4-3/4" x 1-1/4"
Item Weight	4.8 pounds
Product Dimensions	6 x 6 x 6 inches
UPC	663001031727
Cross Reference	ICP 7002-1891, 1708-600P

FASCO

MOTORS AND BLOWERS

REPLACEMENT MOTOR AND BLOWER SPECIALIST

ELDON MISSOURI



MODEL NO.
A175

X82-093

C2312

61224772-04

Assembled In USA

SHADED POLE

AMPS 1.3

115 V. 60 HZ.

3300 RPM 1 SPEED

ROTATION - CCWSE

THERMALLY PROTECTED

VENTILATION - OPEN

SLEEVE BEARING

WHEEL 4-3/4 X 1-1/4



1 A175

Figure 4: Product label detailing Fasco A175 specifications and certifications.

FASCO

Fasco Industries, Inc
Motor Division



Made In U.S.A.

No. 70581312

115 V

1.3 A

Model A175

Switch 125VA-120V

J238-112

TYPE

60 Hz

3300 RPM

E48562

T.P.

Class B

1/40 HP

Max Amb: 40°C

E64080

AO

SW280-10

CF12

Figure 5: Fasco Industries Motor Division label with additional technical data.

5. INSTALLATION

This section provides general guidelines for installing the Fasco A175 blower. Always refer to the specific equipment manufacturer's instructions for detailed installation procedures, especially for furnace or heater applications.

1. **Power Disconnection:** Before beginning any work, ensure that the main power supply to the furnace or heater is completely disconnected at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Access and Removal:** Gain access to the existing blower unit. Carefully disconnect any wiring, noting the color and connection points. Remove mounting hardware and detach the old blower.
3. **Mounting the New Blower:** Position the Fasco A175 blower in the designated location. Secure it using appropriate mounting hardware. Ensure the blower is stable and properly aligned to prevent vibration and noise during operation.
4. **Electrical Connections:** Connect the electrical wiring to the new blower. Match the wire colors and connections precisely as they were on the old unit. The Fasco A175 is designed for 115V, 60Hz operation. Ensure all connections are secure and insulated.
5. **Verify Rotation:** The blower is designed for Counterclockwise Shaft End (CCWSE) rotation. Before final assembly, a brief power test (if safe to do so) can confirm correct rotation.
6. **Final Assembly:** Reassemble any covers or panels removed during the installation process.
7. **Testing:** Restore power to the unit. Initiate a test cycle for the furnace or heater to ensure the blower operates correctly, quietly, and without obstruction. Monitor for any unusual sounds or smells.

Note: Some units may come pre-wired. If so, ensure proper wire splicing using appropriate connectors if necessary.

6. OPERATION

The Fasco A175 blower is an integral component of your heating system. Once properly installed, its operation is typically controlled by the furnace or heater's control board. It is designed for continuous operation within its specified parameters to facilitate proper combustion air or exhaust. Ensure that the system's thermostat is set to the desired temperature to initiate operation.

- Ensure the blower's air intake and exhaust ports are free from obstructions.
- Listen for smooth operation. Any unusual noises may indicate an issue.
- The blower will activate and deactivate as required by the heating system's control logic.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your Fasco A175 blower. Always disconnect power before performing any maintenance.

- **Annual Inspection:** Annually inspect the blower for any signs of wear, corrosion, or damage. Check for loose connections or mounting hardware.
- **Cleanliness:** Keep the blower's intake and exhaust areas clean and free of dust, debris, or obstructions. Accumulated dirt can reduce efficiency and lead to overheating. Use a soft brush or vacuum cleaner for cleaning.
- **Bearing Check:** The A175 uses sleeve bearings. These are typically sealed and do not require lubrication. If you notice excessive noise or resistance, the bearings may be worn and require replacement of the unit.
- **Wiring Inspection:** Periodically check all electrical wiring for fraying, cracks, or loose connections.

Note: Do not attempt to disassemble the motor or blower wheel unless you are a qualified service technician.

8. TROUBLESHOOTING

This section outlines common issues and potential solutions. For complex problems, consult a qualified HVAC technician.

Problem	Possible Cause	Solution
Blower does not start	No power to the unit, faulty wiring, tripped circuit breaker, control board issue, motor failure.	Check power supply and circuit breaker. Verify all wiring connections. Consult furnace manual for control board diagnostics. If motor is faulty, replacement is necessary.
Blower makes unusual noise (grinding, squealing)	Worn bearings, obstruction in blower wheel, loose mounting.	Disconnect power and inspect blower wheel for obstructions. Check mounting hardware for tightness. Worn sleeve bearings typically require unit replacement.
Reduced airflow	Obstruction in intake/exhaust, dirty blower wheel, motor running slow.	Disconnect power and clear any obstructions. Clean blower wheel if dirty. If motor runs slow, it may be failing and require replacement.
Blower runs continuously	Control board issue, faulty thermostat.	Consult furnace manual for control board diagnostics. Check thermostat settings and functionality.

9. WARRANTY & SUPPORT

Fasco products are manufactured to high standards. Specific warranty terms and conditions may vary depending on the point of purchase and regional regulations. Please retain your proof of purchase for any warranty claims. For technical support, service, or warranty inquiries, please contact your original vendor or visit the official Fasco website. You can find more information about Fasco products at [Fasco Brand Page on Amazon](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question