

Fasco A202

Fasco A202 Specific Purpose Blower Instruction Manual

Model: A202 | Compatible with Lennox 7021-10602, 45037-001

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fasco A202 Specific Purpose Blower. This blower is designed for specific applications, featuring a 1/30 HP shaded pole motor, 115 Volts, 3400 RPM, 1 speed, 1.8 Amps, CCW rotation, and ball bearings. Please read all instructions carefully before proceeding with installation or operation.

2. SAFETY INFORMATION

Adhering to these safety guidelines is critical to prevent injury and ensure proper function of the blower.

- **Disconnect Power:** Always disconnect all electrical power to the appliance before attempting any installation, maintenance, or service on the blower.
- **Proper Grounding:** Ensure the blower is properly grounded according to local electrical codes.
- **Personal Protective Equipment (PPE):** Wear appropriate safety glasses and gloves during installation and maintenance procedures.
- **Inspect for Damage:** Do not install or operate the blower if any components are visibly damaged or missing.
- **Qualified Installation:** Installation should ideally be performed by a qualified and experienced technician.
- **Ventilation:** Ensure adequate ventilation in the installation area.

3. PRODUCT OVERVIEW

The Fasco A202 is a compact and robust specific purpose blower, typically used in HVAC systems. It consists of an electric motor centrally mounted on a durable volute housing, designed to efficiently move air or exhaust gases.



Image: Fasco A202 Specific Purpose Blower. This image displays the complete blower assembly, featuring the black motor unit centrally mounted on a black volute housing. An exhaust pipe with two metal clamps is visible on the lower left, and two yellow protective caps cover ports on the housing.

4. SPECIFICATIONS

Key technical specifications for the Fasco A202 Blower:

Feature	Detail
Brand	Fasco
Model Name	A202 7967021

Feature	Detail
Part Number	A202
Horsepower	0.13 HP (1/30 HP)
Voltage	115 Volts
Speed	3400 RPM
Amperage	1.8 Amps
Rotation	CCW (Counter-Clockwise)
Bearing Type	Ball Bearing
Item Weight	7.2 pounds
Product Dimensions	10 x 10 x 10 inches

5. SETUP AND INSTALLATION

Proper installation is crucial for the blower's performance and longevity. Follow these steps carefully.

5.1. Before You Begin

- Ensure the replacement blower matches the specifications of the original unit.
- Gather necessary tools: screwdrivers, wrenches, high-temperature silicone sealant (if not included), and a flashlight.
- **Crucially, disconnect all power to the appliance where the blower will be installed.**

5.2. Installation Steps

- 1. Remove Old Blower:** Carefully disconnect any wiring and hoses from the existing blower. Unbolt and remove the old blower unit. Pay attention to the orientation of any airflow restrictors or gaskets, as these may need to be transferred or replaced.
- 2. Inspect and Clean:** Clean the mounting area thoroughly, removing any debris or old gasket material. If an airflow restrictor was present on the old unit, clean it thoroughly.
- 3. Gasket and Restrictor Placement:** Apply high-temperature silicone sealant to the new blower's mounting surface or gasket if a new one is provided. If reusing an airflow restrictor, ensure it is correctly seated in the circular groove on the fan housing.
- 4. Mount New Blower:** Position the new Fasco A202 blower. Insert all mounting screws loosely before tightening any. This helps ensure proper alignment and prevents binding. Tighten screws evenly in a crisscross pattern. For hard-to-reach screws, a long, thin, magnetic extension for your screwdriver bit is recommended.
- 5. Connect Hoses and Wiring:** Reconnect all hoses, ensuring they are securely clamped. Connect the electrical wiring according to the appliance's wiring diagram. Double-check all connections for security.
- 6. Drainage:** This model may have multiple drain ports. Ensure the bottom port is connected to a drain hose and the unused port is capped to prevent water accumulation, which can lead to scale buildup and operational issues.
- 7. Final Check:** Verify all connections are secure, and there are no obstructions to the blower's operation. Restore power to the appliance.

6. OPERATING INSTRUCTIONS

The Fasco A202 blower operates automatically as an integral component of a larger system, such as a furnace or other specific purpose equipment.

- Once properly installed and power is restored to the main appliance, the blower will activate and deactivate as required by the system's control board.
- Listen for smooth operation during its cycle. Any unusual noises, such as grinding, squealing, or excessive vibration, may indicate an installation issue or a problem with the unit.
- Ensure the area around the blower's intake and exhaust is free from obstructions to allow for proper and unrestricted airflow.

7. MAINTENANCE

The Fasco A202 blower is designed for minimal maintenance, but periodic checks can extend its lifespan and ensure optimal performance.

- **Annual Inspection:** Annually, or more frequently in dusty environments, inspect the blower for any signs of wear, corrosion, or damage. Check all electrical connections for tightness and integrity.
- **Cleaning:** Ensure the air intake and exhaust ports are free from dust, lint, or other obstructions. Use a soft brush or a vacuum cleaner with a brush attachment to gently clean the exterior of the blower and the fan blades. **Do not use liquids directly on the motor or electrical components.**
- **Drainage Check:** If a drainage hose is connected, verify that it is clear and free of blockages. This prevents water buildup within the housing, which can lead to corrosion and operational failure.
- **Lubrication:** This unit features sealed ball bearings and typically requires no user lubrication throughout its service life. Do not attempt to lubricate the motor unless specifically instructed by the manufacturer.

8. TROUBLESHOOTING

If the blower is not functioning correctly, consider the following common issues and solutions:

8.1. Blower Not Starting

- **No Power:** Verify that the main appliance has power and that the blower's electrical connections are secure and correctly wired. Check circuit breakers or fuses.
- **Control System Issue:** Confirm that the appliance's control board is sending the appropriate signal to activate the blower. This may require professional diagnosis.
- **Obstruction:** With power disconnected, manually check if the fan blades can spin freely. An obstruction may be preventing startup.

8.2. Excessive Noise

- **Loose Mounting:** Check all mounting screws to ensure the blower is securely fastened to the appliance. Loose mounting can cause vibration and rattling.
- **Debris:** Debris inside the volute housing or on the fan blades can cause grinding or scraping noises. Disconnect power and carefully inspect and clean the interior.
- **Bearing Wear:** If the noise persists and is a consistent grinding, squealing, or humming sound, the motor bearings may be worn. This typically indicates the need for unit replacement.

8.3. Reduced Airflow

- **Blockage:** Inspect the blower's intake and exhaust paths, as well as any connected ductwork, for obstructions.

- **Incorrect Installation:** Ensure that any airflow restrictor (if used) is correctly positioned and not impeding airflow.

9. WARRANTY AND SUPPORT

According to product specifications, this Fasco A202 blower is typically sold without an explicit manufacturer's warranty. Please refer to your original point of purchase for any applicable return, exchange, or limited warranty policies they may offer.

For technical assistance, troubleshooting beyond this manual, or professional installation, it is recommended to consult a qualified HVAC technician or the manufacturer's support resources for the appliance in which this blower is installed.

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.

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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