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› SupplyMount 025-17175-002 Actuator Instruction Manual

## SupplyMount 025-17175-002

# SupplyMount 025-17175-002 Actuator Instruction Manual

Upgraded Replacement 450 Inch-Pound Actuator Compatible with York HVAC Systems

## INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of the SupplyMount 025-17175-002 Actuator. This component is designed as an upgraded replacement part, ensuring full compatibility with various York HVAC systems. It is manufactured with high-quality materials to provide long-lasting performance and meets or exceeds original manufacturer specifications for dependable operation in heating, cooling, and ventilation applications.

## SAFETY INFORMATION

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**WARNING: Installation and servicing of HVAC equipment can be hazardous and requires specialized knowledge and training. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Read and understand these instructions completely before proceeding. Only qualified service personnel should install or service this equipment.**

- Always disconnect power to the HVAC system before installing or servicing any components.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Refer to the original HVAC system manufacturer's documentation for specific safety procedures and wiring diagrams.

## PRODUCT OVERVIEW

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The SupplyMount 025-17175-002 is a 450 inch-pound actuator designed for precise control within HVAC systems. It is engineered to provide reliable and consistent performance, ensuring proper air damper or valve positioning. Its robust construction contributes to improved reliability and resistance to wear.

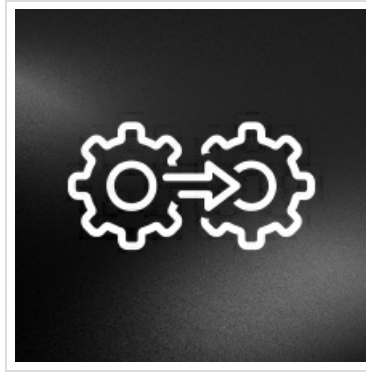


Image: HVAC replacement parts engineered for precise compatibility by SupplyMount. This image illustrates the concept of components designed to fit and function together seamlessly within an HVAC system.

## SETUP AND INSTALLATION

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This actuator is designed for direct fit replacement, facilitating a quick and hassle-free installation process. However, due to the complexity of HVAC systems, installation should only be performed by a qualified HVAC technician.

1. **Preparation:** Ensure the HVAC system is completely powered off at the main breaker. Verify with a voltage tester.
2. **Access:** Locate the existing actuator within the HVAC unit. This may require removing access panels.
3. **Disconnection:** Carefully disconnect the wiring from the old actuator, noting the position and color of each wire. Take photographs for reference if necessary.
4. **Removal:** Unmount the old actuator from its position.
5. **Installation of New Actuator:** Mount the SupplyMount 025-17175-002 Actuator in the same position as the old unit. Ensure it is securely fastened.
6. **Wiring:** Connect the wiring to the new actuator, matching the connections noted during disconnection. Refer to the HVAC system's wiring diagram for verification.
7. **Testing:** Restore power to the HVAC system. Test the actuator's function according to the HVAC system's operational checks. Observe for proper movement and response.

For detailed wiring diagrams and specific installation steps pertaining to your particular York HVAC model, consult the original equipment manufacturer's service manual.



Image: Easy to install upgraded HVAC replacement parts by SupplyMount. This icon represents the straightforward nature of replacing components with this upgraded part.

## OPERATING INSTRUCTIONS

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The SupplyMount 025-17175-002 Actuator operates automatically as an integral part of your York HVAC system. Once correctly installed and wired, it responds to control signals from the HVAC system's thermostat or control board to adjust dampers or valves. No direct user interaction is typically required for its operation.

- Ensure the HVAC system is powered on and the thermostat is set to the desired mode (heating, cooling, or ventilation).
- The actuator will move to its commanded position based on the system's requirements.
- Listen for smooth, unobstructed movement during system cycles.

## MAINTENANCE

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The SupplyMount 025-17175-002 Actuator is constructed for durability and long-lasting performance, requiring minimal routine maintenance. Regular inspection of the actuator and its connections is recommended as part of a comprehensive HVAC system maintenance schedule.

- **Annual Inspection:** During routine HVAC system servicing, have a qualified technician inspect the actuator for any signs of wear, corrosion, or loose connections.
- **Cleaning:** Keep the area around the actuator free from dust and debris to prevent interference with its mechanical movement.
- **Lubrication:** This actuator is designed to be maintenance-free regarding lubrication. Do not apply lubricants unless specifically instructed by the manufacturer.

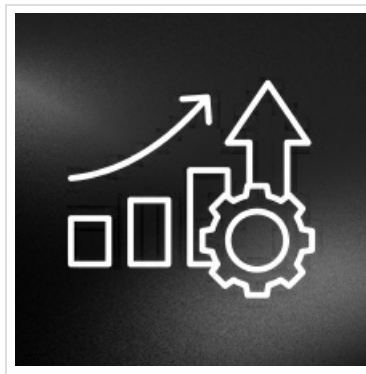


Image: High quality HVAC parts tested for performance and reliability by SupplyMount. This image represents the rigorous testing and quality assurance applied to the product.

## TROUBLESHOOTING

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If your HVAC system is not functioning correctly after actuator installation, or if you suspect an issue with the actuator, consider the following:

Symptom	Possible Cause	Action
Actuator does not move or respond.	No power, incorrect wiring, faulty control signal.	Check power supply to the HVAC system. Verify all wiring connections are secure and correct. Consult HVAC system's wiring diagram.
Actuator makes unusual noises.	Obstruction, internal mechanical issue.	Inspect for any physical obstructions. If no obstruction, contact a qualified technician.
HVAC system not heating/cooling effectively.	Actuator not positioning correctly, other system fault.	Observe actuator movement during system operation. If movement is incorrect or absent, contact a qualified technician. This could also indicate other HVAC system issues.

**Important:** For any issues beyond basic checks, it is strongly recommended to contact a qualified HVAC service technician. Attempting complex repairs without proper training and tools can be dangerous and may void warranties.

## SPECIFICATIONS

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**Model Number:** 025-17175-002

**Part Number:** 025-17175-002

**Torque Rating:** 450 Inch-Pound (as per product description)

**Manufacturer:** SupplyMount

**Item Weight:** 11 pounds

**Product Dimensions:** 10 x 10 x 10 inches

**Included Components:** Replacement Part Only

## WARRANTY AND SUPPORT

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SupplyMount products are designed for reliability and performance. For specific warranty information or technical support, please refer to the documentation provided with your purchase or contact SupplyMount directly through their official channels. When contacting support, please have your model number (025-17175-002) and purchase details readily available.

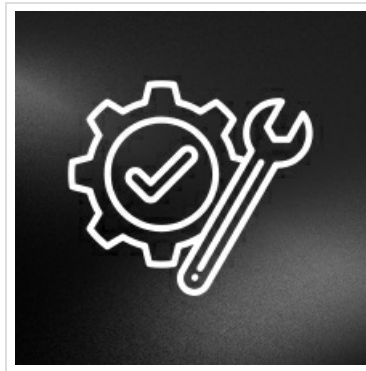


Image: SupplyMount brand trusted by HVAC professionals across the United States. This image signifies the brand's reputation for quality and reliability among industry experts.