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UAC BM 9357C

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Model: BM 9357C

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of the UAC HVAC Blower Motor, model BM 9357C. Please read these instructions carefully before proceeding with any installation or service to ensure safe and efficient performance. This blower motor is designed as an aftermarket replacement for specific Suzuki Grand Vitara and XL-7 models.

Safety Warning: Installation of this component should only be performed by a qualified automotive technician. Disconnect the vehicle's battery before beginning any work on the electrical system.

2. PRODUCT OVERVIEW

The UAC BM 9357C is a replacement HVAC blower motor designed to restore proper airflow to your vehicle's heating, ventilation, and air conditioning system. It is engineered to meet or exceed original equipment specifications.

Key Features:

- Designed for HVAC systems, specifically for blower motor function.
- Features 47 blades for efficient air movement.
- Counter-clockwise (CCW) rotation.
- Includes the blower motor with wheel.



Figure 2.1: UAC HVAC Blower Motor BM 9357C. This image shows the complete blower motor assembly with its fan cage.



Figure 2.2: Side view of the UAC HVAC Blower Motor BM 9357C, highlighting the motor housing and electrical connector.

3. INSTALLATION GUIDE

This section provides general guidance for the installation of the UAC BM 9357C blower motor. Specific steps may vary depending on the vehicle model and configuration. Always refer to the vehicle's service

manual for detailed instructions.

Compatibility:

- 2003-2005 Suzuki Grand Vitara 2.5L (Aftermarket Style Replacement)
- 2003-2006 Suzuki XL-7 2.7L (Aftermarket Style Replacement)

General Installation Steps (Professional Installation Recommended):

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
2. **Locate the Blower Motor:** The blower motor is typically located under the dashboard on the passenger side, often behind the glove compartment or kick panel.
3. **Access the Blower Motor:** Remove any necessary trim panels, glove compartment, or other components to gain access to the blower motor housing.
4. **Disconnect Electrical Connections:** Unplug the electrical connector(s) from the old blower motor.
5. **Remove Old Blower Motor:** Unscrew or unclip the fasteners holding the old blower motor in place. Carefully remove the old unit from its housing.
6. **Install New Blower Motor:** Position the new UAC BM 9357C blower motor into the housing, ensuring it seats correctly. Secure it with the original fasteners.
7. **Reconnect Electrical Connections:** Plug the electrical connector(s) firmly into the new blower motor.
8. **Reassemble:** Reinstall all removed trim panels, the glove compartment, and any other components.
9. **Test Functionality:** Reconnect the vehicle's battery. Start the vehicle and test the HVAC system at various fan speeds to ensure the new blower motor operates correctly and quietly.



Figure 3.1: General vehicle orientation diagram. The blower motor is typically located on the passenger side (Front Right).

4. OPERATION

The UAC BM 9357C blower motor operates as an integral part of your vehicle's HVAC system. Once installed, its operation is controlled directly by the vehicle's climate control system.

Functionality:

- When the vehicle's fan speed is adjusted via the climate control panel, the blower motor receives an electrical signal to rotate its fan cage.
- The rotation of the fan cage draws air from outside the vehicle or recirculates cabin air, pushing it through the heater core or evaporator core, and then out through the vehicle's vents.
- The speed of the motor's rotation directly corresponds to the selected fan speed setting, controlling the volume of air moved.

No direct user interaction with the blower motor itself is required after proper installation.

5. MAINTENANCE

The UAC BM 9357C blower motor is designed for long-term reliability with minimal maintenance. However, regular inspection of related HVAC components can help ensure its longevity and optimal performance.

Recommended Maintenance Practices:

- **Cabin Air Filter:** Regularly check and replace your vehicle's cabin air filter according to the manufacturer's recommendations. A clogged filter can restrict airflow, causing the blower motor to work harder and potentially shorten its lifespan.
- **Debris Removal:** Periodically inspect the air intake area (often at the base of the windshield) for leaves, dirt, or other debris that could be drawn into the blower motor housing.
- **System Checks:** If you notice any changes in airflow, unusual noises, or inconsistent operation of your HVAC system, have it inspected by a qualified technician.

Do not attempt to lubricate or disassemble the blower motor, as it is a sealed unit and such actions may void any applicable warranty.

6. TROUBLESHOOTING

If you experience issues with your vehicle's HVAC system after installing the UAC BM 9357C blower motor, consult the following troubleshooting guide. For complex issues, professional diagnosis is recommended.

Symptom	Possible Cause	Recommended Action
Blower motor does not operate at any speed.	Blown fuse, faulty blower motor resistor, wiring issue, or faulty climate control switch.	Check the relevant fuse in the vehicle's fuse box. Inspect wiring for damage. Have a technician test the blower motor resistor and climate control switch.
Blower motor only works on high speed.	Faulty blower motor resistor.	The blower motor resistor controls fan speeds. Replace the resistor if it is faulty.
Weak or inconsistent airflow.	Clogged cabin air filter, obstruction in air ducts, or partially failing blower motor.	Check and replace the cabin air filter. Inspect air ducts for blockages. If the issue persists, professional diagnosis of the blower motor or HVAC system is needed.
Unusual noise (squealing, grinding, rattling) from blower motor.	Debris in the blower housing, worn motor bearings, or unbalanced fan cage.	Access the blower motor and inspect for debris. If no debris is found, the motor may be failing and require replacement.

7. SPECIFICATIONS

Technical specifications for the UAC BM 9357C HVAC Blower Motor:

- **Model Name:** BM 9357C
- **Brand:** UAC
- **Voltage:** 12 Volts (DC)
- **Horsepower:** 0.16 Watts
- **Item Weight:** Approximately 1 Pound
- **Product Dimensions:** Approximately 10 x 10 x 9 inches
- **Blade Quantity:** 47

- **Rotation:** Counter-Clockwise (CCW)
- **Manufacturer Part Number:** BM 9357C
- **UPC:** 711307483068

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty documentation provided at the time of purchase or contact UAC customer support directly. Keep your purchase receipt as proof of purchase.

Customer Support:

If you have questions about the UAC BM 9357C blower motor, require technical assistance, or need to report a product issue, please contact UAC customer support through their official website or the retailer from whom the product was purchased.

When contacting support, please have your product model number (BM 9357C) and purchase details readily available.