

AITKEN KR37-2

AITKEN HVAC Blower Motor Resistor Instruction Manual

Brand: AITKEN | Model: KR37-2

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your AITKEN HVAC Blower Motor Resistor, model KR37-2. This component is designed to regulate the fan speed of your vehicle's heating, ventilation, and air conditioning (HVAC) system. Proper installation and care will ensure optimal performance and longevity.

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow these safety guidelines may result in personal injury or damage to your vehicle.

- Disconnect the vehicle's battery before beginning any electrical work to prevent electrical shock or short circuits.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is parked on a level surface and the parking brake is engaged.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep children and pets away from the work area.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x AITKEN HVAC Blower Motor Resistor (Model: KR37-2)

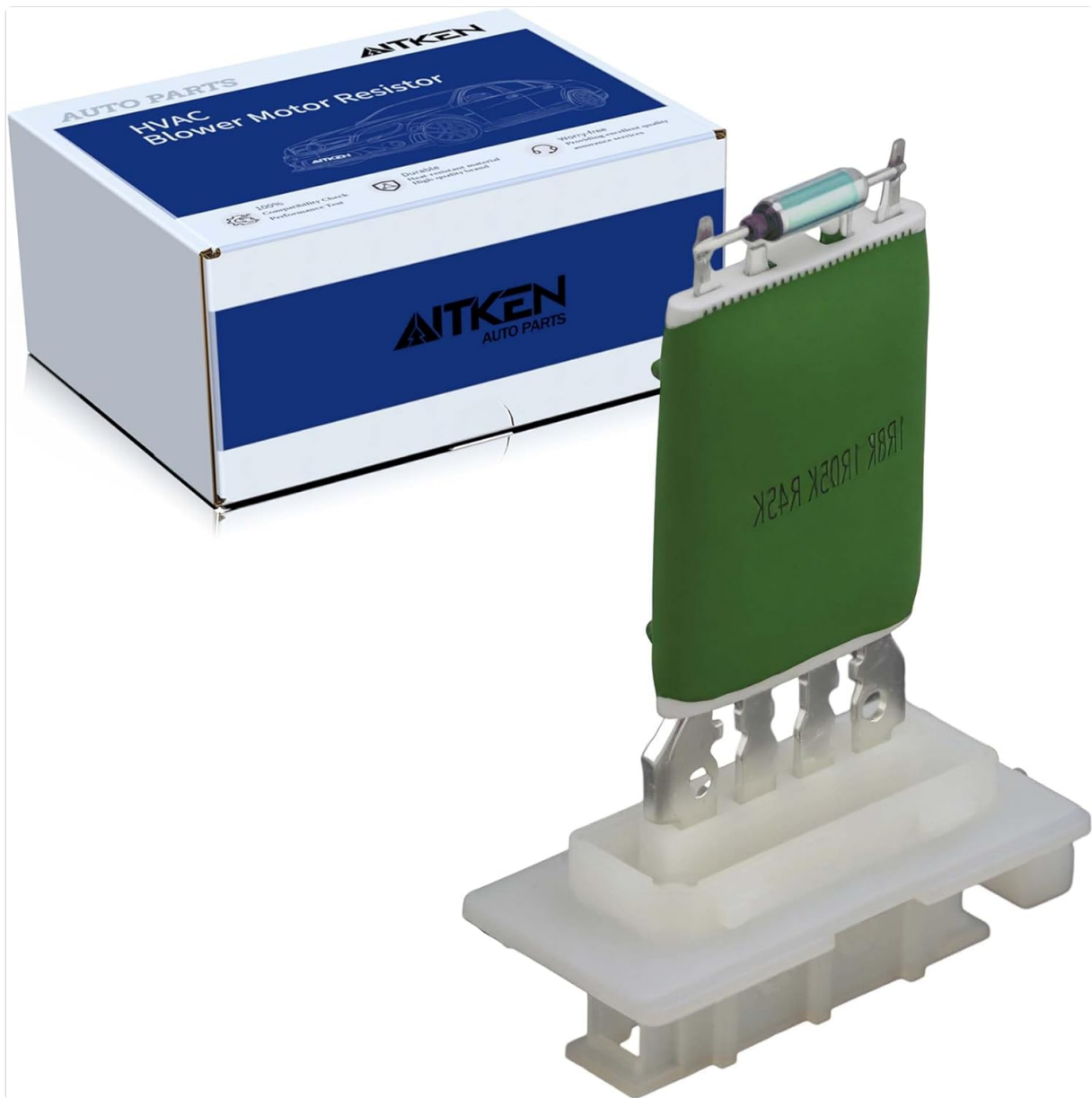


Image 1: AITKEN HVAC Blower Motor Resistor and its product packaging.

4. SPECIFICATIONS

Feature	Detail
Product Name	HVAC Blower Motor Resistor
Brand	AITKEN
Model	KR37-2
Manufacturer Part Number	KR37-2
OEM Part Numbers	1K0959263, 1K0959263A, 561959263, 561959263A, RU817, RU594
Number of Connector Cavities	1
Pin/Terminal Quantity	4
Item Weight	2.89 ounces
Package Dimensions	4.84 x 3.54 x 2.24 inches

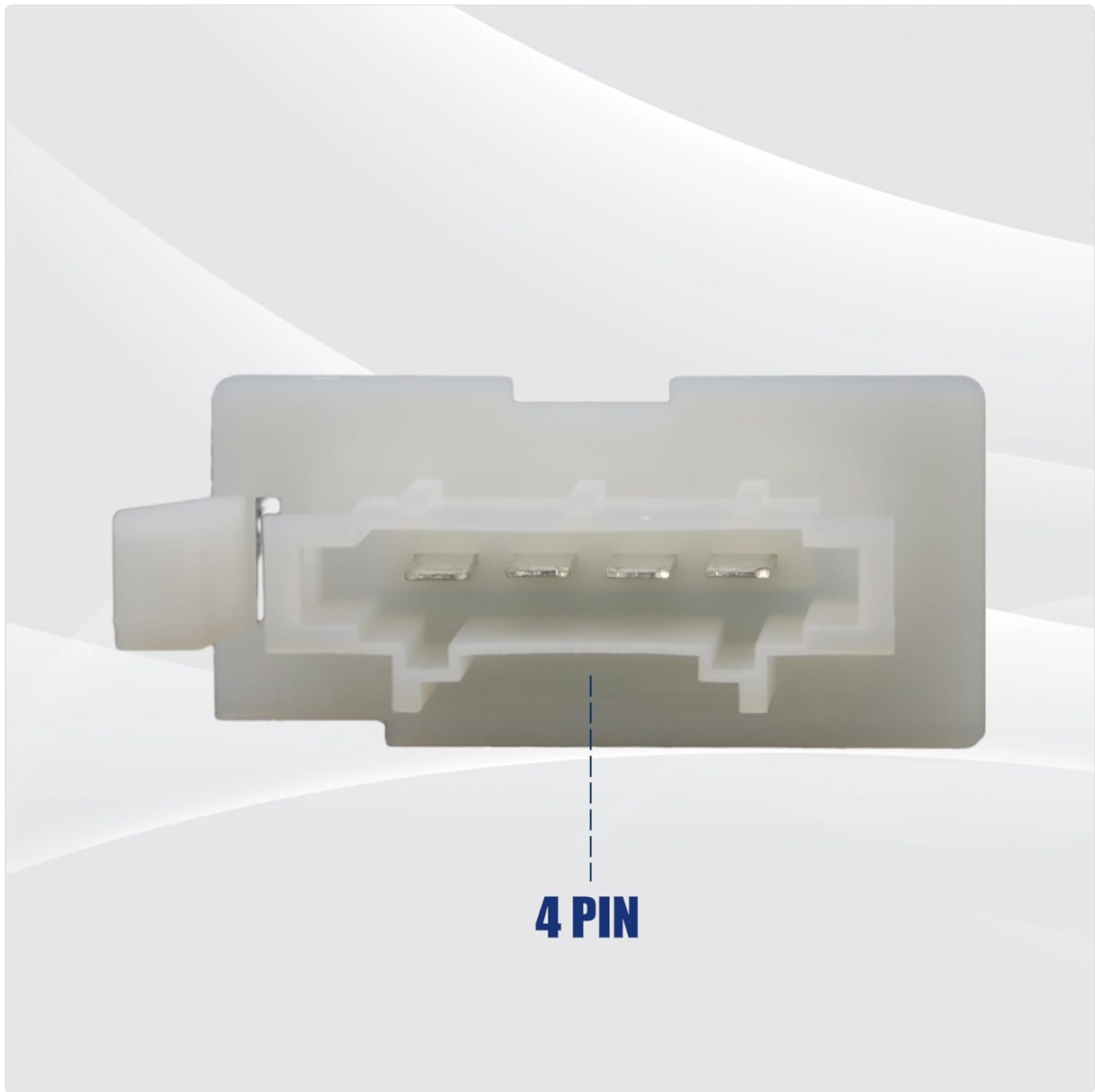


Image 2: Detail of the 4-pin connector for the blower motor resistor.

5. COMPATIBILITY LIST

This AITKEN HVAC Blower Motor Resistor is compatible with various models from AUDI and VW. Please verify your vehicle's OEM part number against the list below to ensure proper fitment. This resistor is designed for vehicles **without** automatic temperature control.

- **AUDI:**
 - A3 (2006-2016)
 - S3 (2008-2012)

- **VW:**
 - BEETLE (2011-2019)
 - BORA (2006-2009)
 - CC (2009-2012)
 - EOS (2007-2016)
 - GOLF (2010-2014)
 - GOLF CITY (2009-2010)
 - GTI (2008-2014)

- JETTA (2006-2018)
- JETTA CITY (2009)
- PASSAT (2006-2012)
- PASSAT CC (2009-2012)
- R32 (2008)
- RABBIT (2008-2009)
- TIGUAN (2009-2017)
- TIGUAN LIMITED (2018)

Important: Always cross-reference the OEM part number on your existing component with the numbers provided (1K0959263, 1K0959263A, 561959263, 561959263A, RU817, RU594) to ensure correct fitment before purchase and installation.



Image 3: Blower Motor Resistor with listed compatible part numbers and a compatible vehicle.

6. INSTALLATION GUIDE

The following steps provide a general guide for replacing the HVAC Blower Motor Resistor. Specific procedures may vary by vehicle model. It is highly recommended to consult your vehicle's service manual or seek professional assistance if you are not familiar with automotive electrical repairs.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the ignition. Disconnect the negative terminal of the vehicle's battery to prevent electrical hazards.
2. **Locate the Blower Motor Resistor:** The blower motor resistor is typically located near the blower motor, often under the dashboard on the passenger side, or sometimes in the engine bay near the firewall. You may need to remove trim panels, the glove box, or other components to access it.
3. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old blower motor resistor. Press any release tabs or clips before pulling.
4. **Remove Old Resistor:** The resistor is usually held in place by screws or clips. Remove these fasteners and carefully pull out the old resistor. Note its orientation for correct installation of the new part.
5. **Install New Resistor:** Insert the AITKEN HVAC Blower Motor Resistor into the housing, ensuring it seats properly. Secure it with the screws or clips removed earlier.
6. **Connect Electrical Connector:** Reconnect the electrical connector to the new resistor, ensuring it clicks securely into place.
7. **Reassemble Components:** Reinstall any trim panels, the glove box, or other components that were removed for access.
8. **Reconnect Battery and Test:** Reconnect the negative terminal of the vehicle's battery. Start the vehicle and test the HVAC system's fan speeds to ensure the new resistor is functioning correctly across all settings.



Image 4: Front and back views of the AITKEN Blower Motor Resistor, showing its physical design.

7. OPERATING INSTRUCTIONS

The AITKEN HVAC Blower Motor Resistor is an integral part of your vehicle's climate control system. Once installed, it operates automatically in conjunction with your vehicle's fan speed selector. Its function is to provide the correct resistance to the blower motor, allowing you to select different fan speeds for heating, ventilation, and air conditioning.

- Turn on your vehicle's ignition.
- Adjust the fan speed control knob or buttons on your vehicle's dashboard.
- The blower motor resistor will regulate the electrical current to the blower motor, resulting in the selected fan speed.
- Ensure all fan speeds function as expected, from low to high.

8. MAINTENANCE

The blower motor resistor is a sealed unit and typically does not require routine maintenance. However, to ensure its longevity and proper function:

- Regularly check your cabin air filter and replace it as recommended by your vehicle manufacturer. A

clogged filter can restrict airflow, causing the blower motor to work harder and potentially overheat the resistor.

- Address any issues with your blower motor promptly. A failing blower motor can put excessive strain on the resistor.
- Keep the area around the blower motor and resistor free from debris and obstructions to ensure adequate cooling airflow.

9. TROUBLESHOOTING

If you experience issues with your HVAC fan after installing the new resistor, consider the following troubleshooting steps:

- **Fan Only Works on High Speed:** This is a common symptom of a faulty blower motor resistor. If this issue persists after replacement, double-check the electrical connections to the new resistor.
- **Fan Does Not Work at Any Speed:**
 - Check the vehicle's fuse for the HVAC system or blower motor. A blown fuse will prevent the fan from operating.
 - Ensure the electrical connector to the resistor is fully seated and free of corrosion.
 - Verify that the blower motor itself is functioning. A faulty blower motor will prevent air movement regardless of the resistor's condition.
- **Intermittent Fan Operation:** Check for loose or corroded electrical connections at both the resistor and the blower motor.
- **Incorrect Fan Speeds:** Ensure the correct resistor model was installed for your vehicle. Verify the OEM part numbers.

If these steps do not resolve the issue, it is recommended to consult a professional automotive technician for diagnosis and repair.

10. WARRANTY AND SUPPORT

AITKEN provides a **1-year free replacement warranty** for this HVAC Blower Motor Resistor. If you encounter any issues with the product within one year of purchase, please contact AITKEN customer support for assistance.

For support, please refer to the contact information provided with your purchase or visit the official AITKEN website. When contacting support, please have your purchase details and the product model (KR37-2) ready.