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AA Ignition 973-020

AA Ignition HVAC Blower Motor Fan Resistor - Model 973-020
Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the AA Ignition HVAC Blower Motor Fan Resistor, model 973-020. This component is designed to regulate the fan speed of your vehicle's heating, ventilation, and air conditioning (HVAC) system. Proper installation and understanding of its function are crucial for optimal performance.

PRODUCT OVERVIEW

The AA Ignition Blower Motor Resistor is a direct replacement part engineered to restore proper fan speed control to your vehicle's HVAC system. It is designed to meet or exceed original equipment specifications for fit, form, and function.



Image: AA Ignition HVAC Blower Motor Fan Resistor, Model 973-020. This image displays the primary view of the blower motor resistor, highlighting its compact design and electrical connector.

Key Features

- **Restores Fan Speed Control:** Enables proper adjustment of the AC and heating system's fan speed.
- **Direct Replacement:** Engineered as a direct fit for the factory part, ensuring compatibility and ease of installation.
- **OEM Fit, Quality, and Finish:** Designed to match the original part's specifications for reliable performance.
- **Improved Circuitry:** Features an enhanced circuit for increased reliability and extended lifespan.
- **Durable Housing:** Constructed with a redesigned housing capable of withstanding extreme temperatures.

FEATURES



**EASILY INSTALLS UNDER THE DASH
OF YOUR VEHICLE**



**RESTORES CONTROL OF
AC BLOWER**



**DIRECT REPLACEMENT FOR
FACTORY PART**



**REPLACES FACTORY PART
#68004241AA**

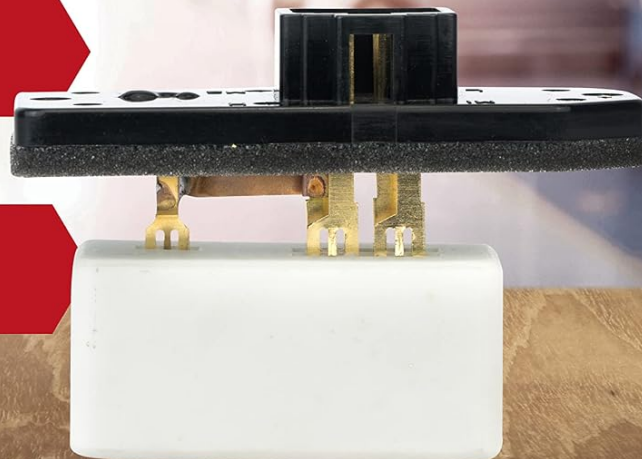


Image: Features of AA Ignition Blower Motor Resistor. This graphic highlights the key benefits and design aspects of the resistor, such as easy installation and direct replacement capability.

Replaces Part Numbers

This AA Ignition Blower Motor Resistor is designed to replace the following original equipment part numbers:

- 973-020
- 68004241AA
- 5012212AA
- 4720278

REPLACES PART NUMBERS:

✓ 973-020

✓ 68004241AA

✓ 5012212AA

✓ 4720278

✓ 973020



**AA Ignition is a registered trademark of GWA Auto Parts Inc.
Other trademarks are registered trademarks of auto manufactures.**

Image: Replaced Part Numbers. This image lists the specific OEM part numbers that this AA Ignition resistor is compatible with and designed to replace.

Compatible Vehicles

This blower motor resistor is compatible with various Chrysler, Dodge, and Jeep vehicles. Please verify your vehicle's specific year and model for accurate fitment:

- **Dodge Ram 1500:** 1994-2001, 2006, 2008
- **Dodge Ram 2500:** 1994-2002, 2006, 2008
- **Dodge Ram 3500:** 1994-2002, 2006
- **Jeep Grand Cherokee:** 1993-1999, 2017
- **Jeep Grand Wagoneer:** 1993
- **Jeep Liberty:** 2007
- **Jeep Renegade:** 2017
- **Chrysler Concorde:** 2001

- **Chrysler LHS:** 2001
- **Chrysler Pacifica:** 2005
- **Chrysler Sebring:** 1997
- **Dodge Dakota:** 1997, 2007
- **Dodge Intrepid:** 2001
- **Dodge Neon:** 2005

FITS THE FOLLOWING VEHICLES

- 1994-2001, 2006, 2008 Dodge Ram 1500®
- 1994-2002, 2006, 2008 Dodge Ram 2500®
- 1994-2002, 2006 Dodge Ram 3500®
- 1993-1999, 2017 Jeep Grand Cherokee®
- 1993 Jeep Grand Wagoneer®
- 2007 Jeep Liberty®
- 2017 Jeep Renegade®
- 2001 Chrysler Concorde®
- 2001 Chrysler LHS®
- 2005 Chrysler Pacifica®
- 1997 Chrysler Sebring®
- 1997, 2007 Dodge Dakota®
- 2001 Dodge Intrepid®
- 2005 Dodge Neon®

Image: Compatible Vehicles. This graphic provides a detailed list of vehicle makes, models, and years that are compatible with this blower motor resistor.

SETUP AND INSTALLATION

Installation of the blower motor resistor is typically straightforward and can often be completed in under 20 minutes. It is recommended to consult a service manual specific to your vehicle for precise location and removal procedures.

REPLACEMENT BLOWER MOTOR RESISTOR

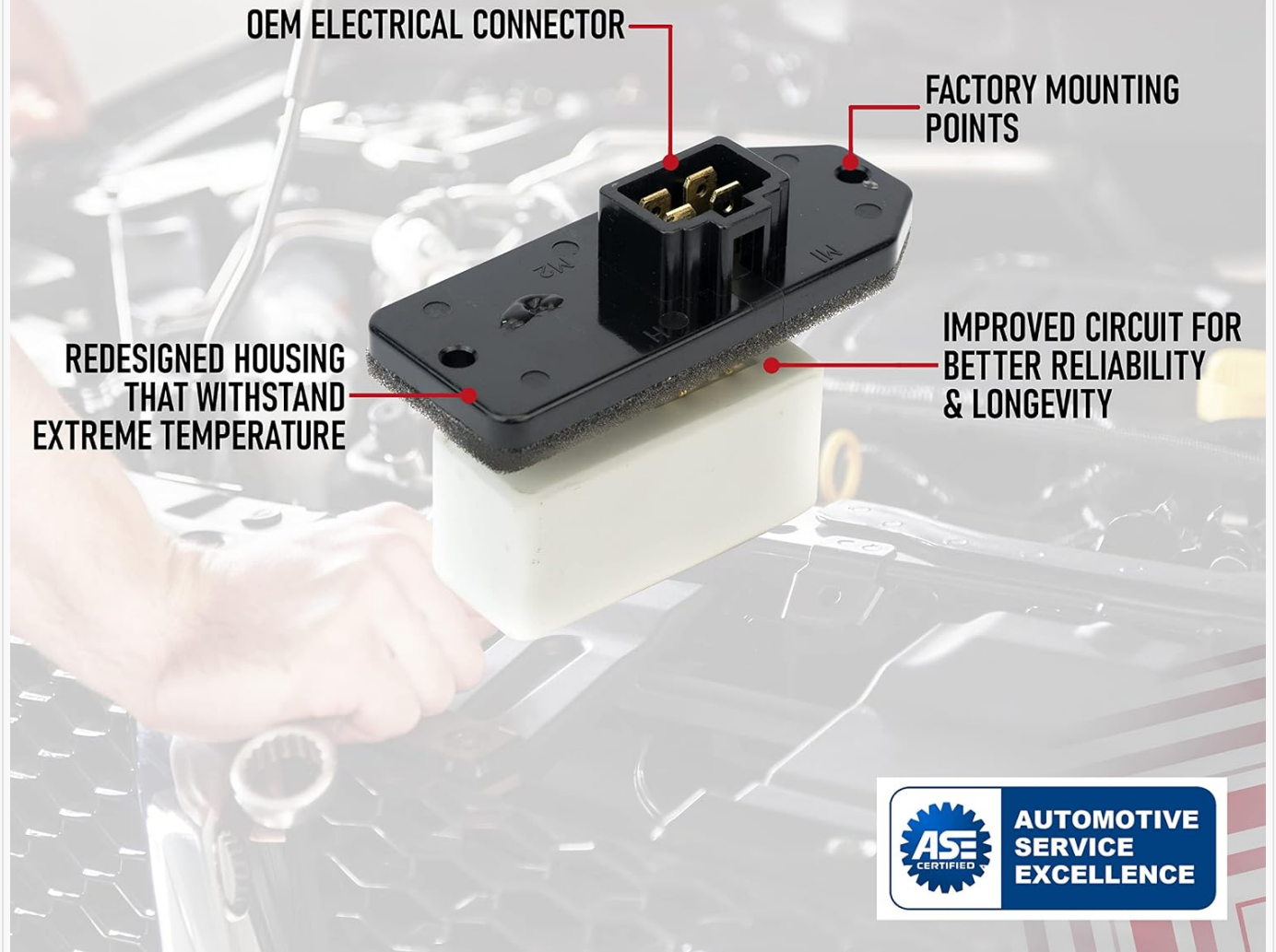


Image: Replacement Blower Motor Resistor Diagram. This diagram illustrates the key components of the resistor, including the OEM electrical connector, factory mounting points, redesigned housing, and improved circuit.

General Installation Steps:

1. **Locate the Resistor:** The AC Blower Motor Resistor is commonly found on the lower passenger side dash, often behind the glove compartment or under the dashboard.
2. **Access the Component:** Remove any necessary trim panels, screws, or fasteners to gain access to the resistor.
3. **Disconnect Electrical Connector:** Carefully disconnect the electrical wiring harness from the old resistor.
4. **Remove Old Resistor:** Unfasten and remove the old blower motor resistor assembly.
5. **Compare Parts:** Before installing, visually compare the new AA Ignition resistor (Model 973-020) with the old part to ensure it is an exact match in shape, size, and connector type.
6. **Install New Resistor:** Position the new resistor assembly and secure it using the original mounting points.
7. **Reconnect Electrical Connector:** Firmly attach the electrical wiring harness to the new resistor.
8. **Reassemble:** Re-install any removed trim panels or fasteners.
9. **Test System:** Start the vehicle and test the HVAC system to confirm that all fan speeds function correctly.

A male mechanic with short dark hair and a beard, wearing blue overalls over a grey t-shirt, is focused on working on a car engine. He is using a long, thin metal tool to adjust a component. The engine bay is open, and various mechanical parts like hoses, wires, and the blower motor resistor are visible. The background is a bright, slightly blurred workshop or garage.

PREVENTION IS BETTER THAN CURE

OEM FIT, QUALITY, FINISH

While this is not a genuine OEM part, this blower motor resistor is a direct replacement part.

Image: OEM Fit and Quality. This image shows a mechanic working on a vehicle, emphasizing the importance of using parts that offer OEM fit and quality for reliable repairs.

OPERATING THE BLOWER MOTOR RESISTOR

The blower motor resistor functions automatically as part of your vehicle's HVAC system. Its purpose is to vary the electrical resistance to the blower motor, thereby controlling the speed of the fan. When you select a fan speed on your climate control panel, the resistor adjusts the voltage supplied to the blower motor, causing the fan to spin faster or slower.

No direct user operation of the resistor is required. Its proper function is indicated by the ability to select and maintain different fan speeds through your vehicle's standard climate control interface.

The AA Ignition Blower Motor Resistor is designed for long-term reliability and typically requires no routine maintenance. However, periodic inspection during other vehicle service can help identify potential issues early.

- **Visual Inspection:** During routine vehicle checks, visually inspect the resistor and its electrical connections for any signs of corrosion, damage, or loose wiring.
- **Clear Debris:** Ensure the area around the resistor is free from excessive dust, dirt, or other debris that could impede airflow or cause overheating.
- **Electrical Connections:** Confirm that all electrical connectors are securely seated.

TROUBLESHOOTING

If your vehicle's HVAC fan is not operating as expected, the blower motor resistor may be a contributing factor. Common symptoms of a failing blower motor resistor include:

- **Fan Only Works on High Speed:** This is a common indicator that the resistor has failed, as the highest fan speed often bypasses the resistor.
- **Fan Does Not Work at All:** If the fan does not operate on any speed setting, the resistor or the blower motor itself may be faulty.
- **Inconsistent Fan Speeds:** The fan speed fluctuates or does not respond consistently to adjustments from the climate control.
- **No Air Blowing:** If no air is blowing from the vents, even when the AC or heater is on, the resistor could be the cause.

If you experience any of these symptoms, it is recommended to inspect the blower motor resistor and consider replacement if it is determined to be faulty.

SPECIFICATIONS

Specification	Detail
Model Number	973-020
Manufacturer	AA Ignition
Package Dimensions	3.9 x 3.54 x 2.32 inches
Item Weight	4.97 ounces
ASIN	B079K2BX7X

WARRANTY INFORMATION

The AA Ignition HVAC Blower Motor Fan Resistor comes with a**Lifetime Warranty**. If the resistor experiences a failure, please contact AA Ignition for a replacement. For complete details regarding the warranty terms and conditions, please refer to the official AA Ignition website or contact customer support.

SUPPORT

For technical assistance, installation guidance, or warranty claims, please contact AA Ignition customer support. You can find contact information and additional resources on the official AA Ignition website.

Visit the [AA Ignition Store](#) for more information and products.

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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