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YHTAUTO YHTBM0116

YHTAUTO A/C Heater Blower Motor Fan Assembly User Manual

Model: YHTBM0116

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your YHTAUTO A/C Heater Blower Motor Fan Assembly. This product is designed to provide efficient and reliable air circulation for your vehicle's heating and air conditioning system.

Compatibility:

- 2013-2018 Nissan NV200 I4 2.0L Mini Cargo Van
- 2013-2018 Nissan NV200 I4 2.0L Mini Passenger Van

Note: This blower motor is for the front side and includes the fan cage.



Image 1.1: The YHTAUTO A/C Heater Blower Motor Fan Assembly, showing the unit and its product packaging.

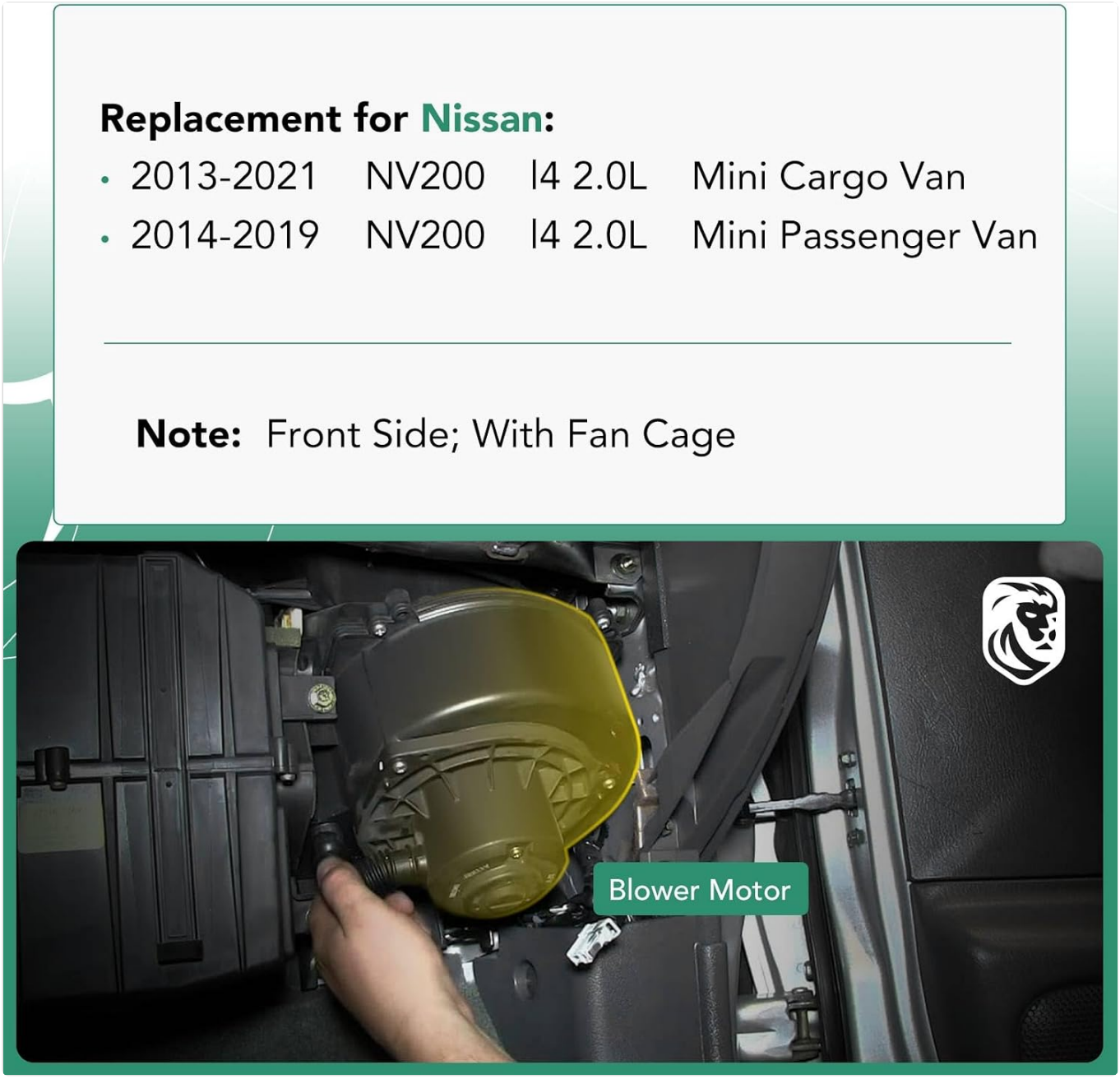


Image 1.2: Visual representation of vehicle compatibility for the blower motor, highlighting Nissan NV200 models.

2. Product Overview and Features

The YHTAUTO Blower Motor is engineered for direct fit and optimal performance, ensuring efficient air circulation within your vehicle's climate control system.

2.1 Structural Details



Image 2.1: An exploded diagram illustrating the internal components of the blower motor, including the fan cage, brush holder, bearing, motor, capacitor, and housing.

2.2 Key Features

- **Running Durability:** Constructed with robust materials for long-lasting performance.
- **Quiet Operation:** Designed to minimize noise during use.
- **Larger Air Flow:** Optimized design for enhanced air circulation.
- **Easy to Install:** Engineered for straightforward installation.
- **Updated Material:** Features fiber-reinforced plastic housing for lighter weight and better heat dissipation.
- **Precise Pre-drilling:** No special tools required for installation.
- **Soft Connection:** Incorporates a shock-absorbing structure.



Image 2.2: Visual representation of the blower motor's key features, including running durability, quiet operation, larger airflow, and ease of installation.

Replacement for Nissan:

- 2013-2021 NV200 l4 2.0L Mini Cargo Van
- 2014-2019 NV200 l4 2.0L Mini Passenger Van

Note:

Front Side; With Fan Cage

Image 2.3: An illustration highlighting the benefits of the blower motor: larger airflow volume, perfect fit, and long-lasting use.



Image 2.4: A visual breakdown of installation ease, quiet operation, and the use of updated materials in the blower motor's construction.

3. Installation

Installation of the blower motor is generally straightforward. However, it is recommended to consult your vehicle's specific service manual or a qualified technician if you are unsure about the process.

3.1 Safety Precautions

- Always disconnect the vehicle's battery before beginning any electrical work.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Ensure the vehicle is stable and secured before working underneath it.
- Refer to your vehicle's repair manual for specific torque specifications and component locations.

3.2 Installation Steps (General Guidance)

1. Locate the existing blower motor assembly, typically found under the passenger side dashboard.
2. Disconnect the electrical connector from the blower motor.
3. Remove any retaining screws or clips securing the blower motor.
4. Carefully remove the old blower motor from its housing.
5. Insert the new YHTAUTO blower motor into the housing, ensuring it seats correctly.
6. Secure the new blower motor with the retaining screws or clips.
7. Reconnect the electrical connector.
8. Reconnect the vehicle's battery and test the blower motor's operation across all fan speeds.



Image 3.1: An illustration indicating the typical location of the blower motor within a vehicle's dashboard area.

Attention:

Please take proper precautions and pay particular attention to all cautions and warnings in the user manual for your vehicle before beginning the installation. If you are uncertain of how to install the parts or lack the necessary experience, please seek the help of a qualified technician. Periodically checking the condition of the parts and keeping them in top condition is also highly recommended.

4. Operation

Once installed, the blower motor operates as part of your vehicle's HVAC system. It is controlled by the fan speed selector on your vehicle's dashboard. Adjusting the fan speed will regulate the airflow from the vents.

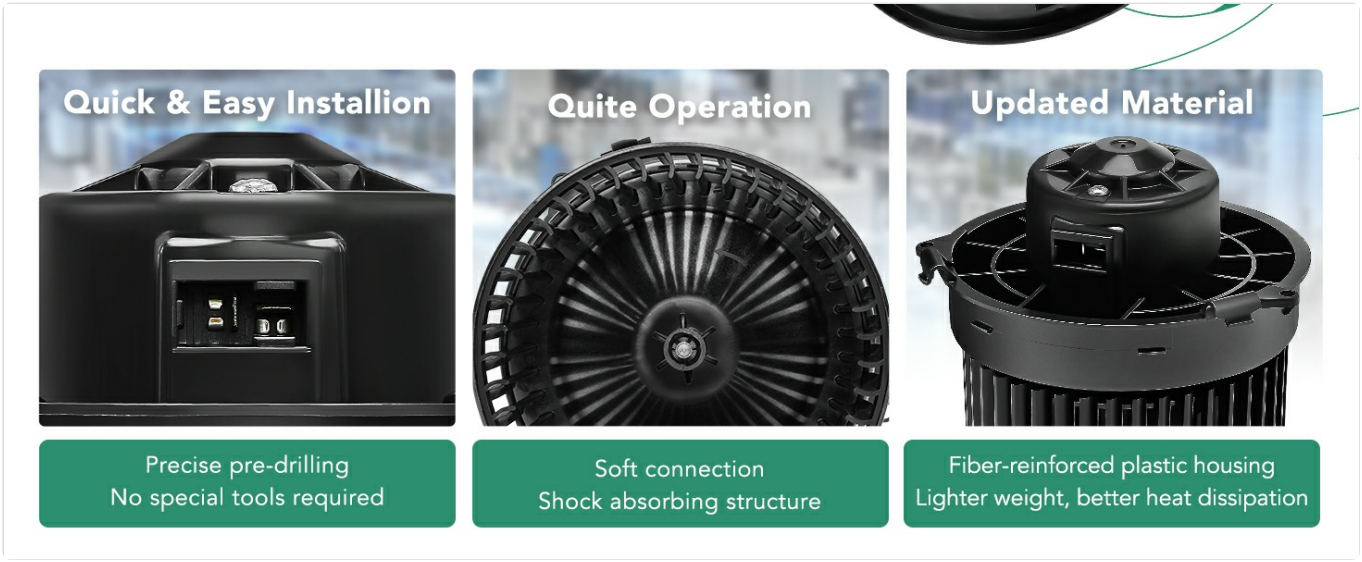


Image 4.1: A visual representation of air circulation within a vehicle's interior, demonstrating the function of the blower motor.

5. Maintenance

The YHTAUTO blower motor is designed for durability and minimal maintenance. Regular vehicle maintenance, including checking the cabin air filter, can help ensure optimal performance and longevity of the blower motor.

- **Cabin Air Filter:** A clogged cabin air filter can restrict airflow and put strain on the blower motor. Check and replace your cabin air filter according to your vehicle manufacturer's recommendations.
- **Debris Removal:** Periodically inspect the blower motor area for any accumulated leaves, dirt, or other debris that could impede its operation.

6. Troubleshooting

If you experience issues with your vehicle's HVAC system, the blower motor may be a contributing factor. Here are common signs that indicate a potential issue with the blower motor:

- **Weak Airflow from the Outlets:** Even on high settings, the air coming from the vents is weak.
- **Only Works at Certain Speeds:** The fan only operates on specific settings (e.g., only on high) or not at all on lower settings.
- **Annoying Noise from Vents:** Unusual noises such as squealing, grinding, or rattling coming from the dashboard area when the fan is on.



Image 6.1: Visual indicators for when a blower motor replacement might be necessary, including weak airflow, limited speed functionality, and unusual noises.

If you encounter these symptoms, it is advisable to have the blower motor inspected by a qualified technician.

7. Specifications

Below are the technical specifications for the YHTAUTO A/C Heater Blower Motor Fan Assembly (Model: YHTBM0116):

Parameter	Value
Installation Position	Front
Voltage	12 Volts
Connector Count	2
Connector Gender	Female
Cage Wheel Included	Yes
Manufacturer Part Number	YHTBM0116
OEM Part Numbers	700304, 75023, 27226-3LM0A, 27226-9SH0C
Item Weight	3.5 pounds (1.59 Kilograms)
Package Dimensions	10.59 x 8.03 x 7.99 inches



Image 7.1: A visual summary of the blower motor's key product parameters and specifications.

7.1 Quality Control

The manufacturing process for this blower motor includes precise quality control measures:

- Custom-made, Automated Production Line for consistency.
- Reduced human error, leading to more accurate dimensions.
- Traceable QR Code on Each Product for quality assurance.

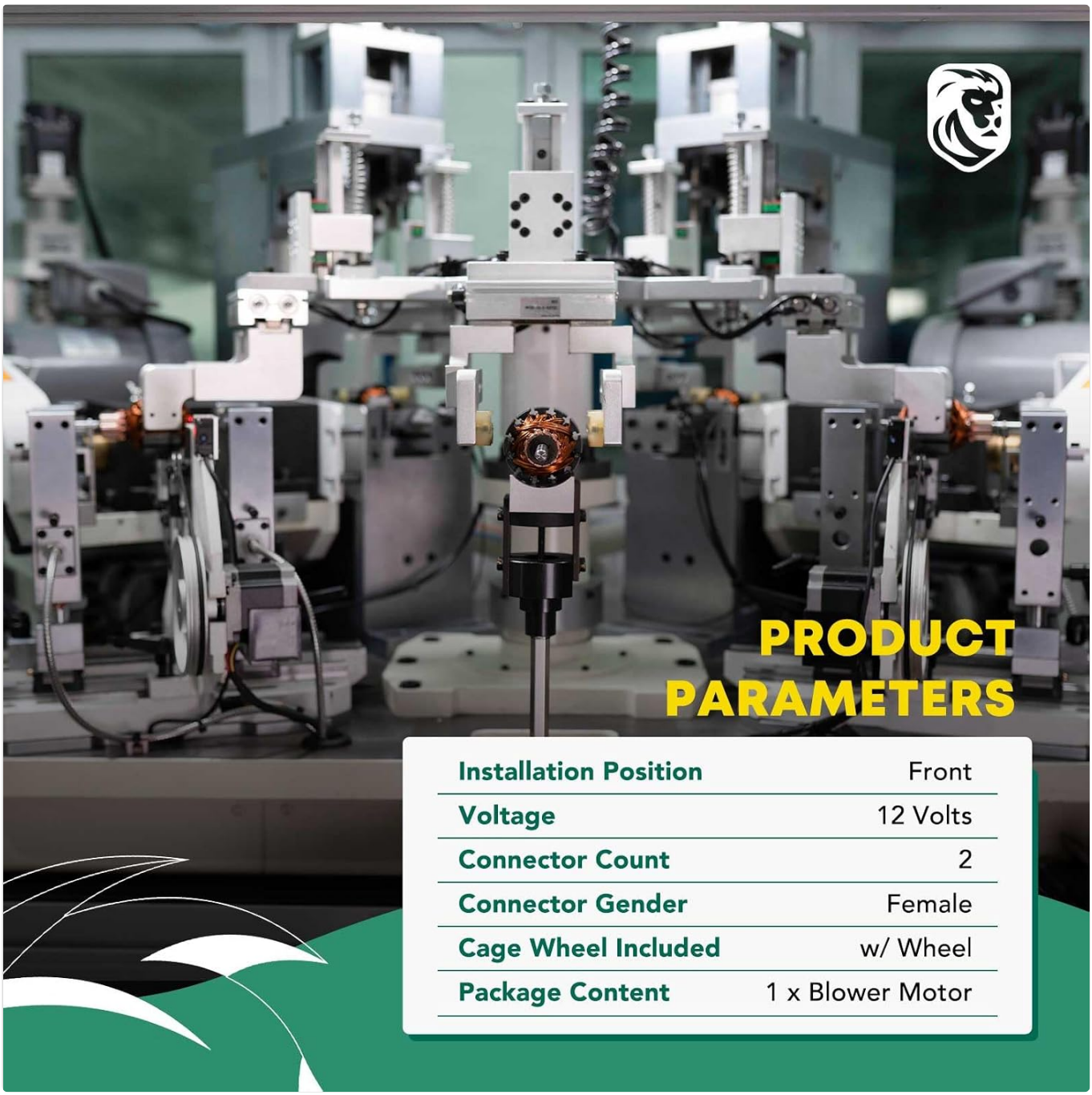


Image 7.2: Detailed view of the motor's internal components, emphasizing the precision and quality control in manufacturing.

8. Warranty and Support

The YHTAUTO A/C Heater Blower Motor Fan Assembly comes with a**One Year Warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use.
For warranty claims or technical support, please contact YHTAUTO customer service through the retailer where the product was purchased or visit the official YHTAUTO store page on Amazon: YHTAUTO Store.

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