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aoteng Front Wheel for Roomba 500 600 Series

Instruction Manual for aoteng Replacement Front Wheel Caster Assembly

Model: Front Wheel for Roomba 500 600 Series | Brand: aoteng

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your aoteng Replacement Front Wheel Caster Assembly. This component is crucial for the proper navigation and movement of your robot vacuum cleaner. Regular maintenance and correct installation will ensure the continued efficient operation of your device.

2. Compatibility

The aoteng Replacement Front Wheel Caster Assembly is compatible with the following robot vacuum cleaner series:

- Roomba 500 Series
- Roomba 600 Series (including models 614, 675, 692, 694)
- Roomba 700 Series
- Roomba 800 Series (including model 890)
- Roomba 900 Series (including models 960, 981)

3. Package Contents

Please verify that all items are present in your package:

- 1 x Front Wheel Caster Assembly
- 1 x Cleaning Tool



Image: The complete package contents, including the front wheel caster assembly and the yellow cleaning tool.

4. Setup and Installation

Follow these steps to replace the front wheel caster assembly on your robot vacuum cleaner:

1. **Preparation:** Turn off your robot vacuum cleaner and place it upside down on a clean, flat surface to access the underside.
2. **Remove the Old Wheel:** Locate the existing front wheel caster assembly. Gently but firmly pull the old wheel assembly straight out from its housing. It may require a slight tug to disengage.
3. **Clean the Wheel Housing:** Use the included cleaning tool or a small brush to thoroughly clean the cavity where the wheel sits. Remove any accumulated hair, dust, string, or debris that could obstruct the new wheel's movement or proper seating.
4. **Install the New Wheel:** Align the shaft of the new front wheel caster assembly with the opening in the robot's chassis. Push the new assembly firmly into place until you hear a distinct click, indicating it is securely seated. Ensure the wheel spins freely.



Image: A side view of the replacement front wheel caster assembly, showing its design and shaft for installation.

5. Operation

Once installed, the front wheel caster assembly operates passively as part of your robot vacuum's navigation system. It allows the robot to pivot and change direction smoothly, ensuring efficient cleaning coverage. No direct user interaction is required for its operation after installation.

6. Maintenance

Regular maintenance of the front wheel caster assembly is essential for optimal performance and to prevent issues. Follow these guidelines:

- **Weekly Inspection:** Periodically inspect the front wheel for any signs of hair, string, or debris wrapped around the axle or inside the housing.
- **Cleaning:** If debris is present, remove the wheel assembly as described in the installation section. Use the provided cleaning tool or a small brush to clear all obstructions from the wheel and its housing. Ensure the wheel spins freely after cleaning.
- **Reinstallation:** Reinstall the cleaned wheel assembly, ensuring it clicks securely into place.

7. Troubleshooting

If you encounter issues with your robot vacuum after replacing the front wheel, consider the following:

Problem	Possible Cause	Solution
Robot not moving straight or getting stuck.	Debris in wheel housing; wheel not properly seated.	Remove the wheel, clean the housing thoroughly, and re-install ensuring it clicks into place.
Wheel falls out frequently.	Improper installation; housing damage.	Ensure the wheel is pushed firmly until it clicks. Inspect the housing for any visible damage. If damaged, the robot's chassis may need repair.
Robot has difficulty charging on its base.	Wheel assembly slightly increases robot height.	Ensure the charging contacts align correctly. If persistent, try adjusting the robot's position on the base or consult your robot vacuum's specific charging instructions.

8. Specifications

Attribute	Detail
Product Dimensions	4.9 x 4.9 x 1.8 inches
Item Weight	1.06 ounces (0.03 Kilograms)
Manufacturer	aoteng
ASIN	B06XDQQZ6Z
Item Model Number	Front Wheel for Roomba 500 600 Series
UPC	718930102618
Number of Pieces	1
Color	1 Pc Front Wheel


4.7cm



Images: Dimensional views of the front wheel caster assembly, showing key measurements.

9. Warranty and Support

This product comes with a **60-day warranty** after delivery, provided by the manufacturer. Please retain your proof of purchase for warranty claims.
For further assistance, technical support, or warranty inquiries, please contact the seller or manufacturer directly through the platform where the product was purchased.

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