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Aodhan DS02

Aodhan DS02 Custom Wheel User Manual

Model: DS02 (Part No. DS21895511430SMF)

1. Introduction

This manual provides essential information for the proper installation, usage, and maintenance of your Aodhan DS02 Custom Wheel. Please read this manual thoroughly before installation and retain it for future reference. Adhering to these guidelines will ensure optimal performance and longevity of your wheels.

2. Safety Information

- Always have wheels installed by a qualified professional. Improper installation can lead to serious accidents.
- Ensure correct lug nuts/bolts are used and torqued to vehicle manufacturer specifications.
- Regularly inspect wheels for damage, cracks, or bends. Do not use damaged wheels.
- Maintain correct tire pressure as recommended by your vehicle manufacturer.
- Avoid using harsh chemicals or abrasive cleaners on the wheel finish.

3. Product Overview

The Aodhan DS02 Custom Wheel is a high-quality automotive wheel designed for passenger cars, featuring a distinctive silver finish with a machined face. Its construction ensures durability and performance.



Figure 1: Full view of the Aodhan DS02 Custom Wheel, showcasing its silver finish and machined face.

Key Features:

- **Size:** 18x9.5 inches
- **Offset:** 30mm
- **Bolt Pattern:** 5x114.3
- **Hub Bore:** 73.1mm
- **Finish:** Silver with Machined Face

4. Setup and Installation

Proper installation is critical for safety and performance. It is highly recommended that installation be performed by a certified automotive technician.

Installation Steps:

1. **Verify Fitment:** Before mounting tires, ensure the wheel fits correctly on the vehicle hub and clears brake calipers

and suspension components.

2. **Mount Tires:** Have tires professionally mounted and balanced on the wheels.
3. **Clean Hub Surface:** Ensure the vehicle's hub mounting surface is clean and free of rust or debris.
4. **Install Wheel:** Carefully place the wheel onto the hub, aligning the bolt pattern.
5. **Install Lug Nuts/Bolts:** Hand-tighten lug nuts/bolts in a star pattern.
6. **Torque to Specification:** Lower the vehicle partially and torque the lug nuts/bolts to the vehicle manufacturer's specified torque settings using a calibrated torque wrench. Always follow a star pattern.
7. **Final Lowering:** Fully lower the vehicle.
8. **Re-torque Check:** After driving approximately 50-100 miles, re-check the lug nut/bolt torque to ensure they remain properly tightened.



Figure 2: Detail of the wheel's center bore and lug nut seats, highlighting the 5x114.3 bolt pattern.

5. Usage and Operation

Once installed, your Aodhan DS02 wheels are ready for use. Adhere to standard driving practices and vehicle maintenance schedules.

Important Considerations:

- **Tire Pressure:** Regularly check and maintain tire pressure according to your vehicle's specifications.
- **Driving Conditions:** Be mindful of road hazards such as potholes, curbs, and debris, which can damage wheels.
- **Load Capacity:** Do not exceed the maximum load capacity specified for your vehicle and tires.

6. Maintenance

Regular maintenance will preserve the appearance and structural integrity of your Aodhan DS02 wheels.

Cleaning:

- Clean wheels regularly with mild automotive soap and water.
- Use a soft brush or sponge to remove brake dust and road grime.
- Rinse thoroughly with clean water and dry with a soft microfiber towel to prevent water spots.
- Avoid automatic car washes that use harsh brushes or chemicals.
- Do not use abrasive cleaners, steel wool, or acidic wheel cleaners, as these can damage the finish.

Inspection:

- Periodically inspect wheels for any signs of damage, such as cracks, bends, or deep scratches.
- Check for corrosion, especially around the lug nut holes and valve stem.
- If any damage is found, have the wheel inspected by a professional immediately.



Figure 3: Close-up view of the wheel's spokes and outer lip, illustrating the machined face detail.

7. Troubleshooting

This section addresses common issues that may arise with automotive wheels.

Problem	Possible Cause	Solution
Vehicle Vibration	Unbalanced wheels, bent wheel, loose lug nuts, tire issues.	Have wheels re-balanced, inspect for damage, check lug nut torque, inspect tires.
Uneven Tire Wear	Improper tire pressure, misaligned suspension, unbalanced wheels, worn suspension components.	Check tire pressure, perform wheel alignment, balance wheels, inspect suspension.
Air Leakage	Damaged tire, damaged valve stem, bent wheel lip, improper tire bead seal.	Inspect tire and valve stem, check wheel for damage, re-seat tire bead. Seek professional help.

If you experience persistent issues, consult a professional automotive technician.

8. Specifications

Feature	Detail
Brand	Aodhan
Model	DS02
Manufacturer Part Number	DS21895511430SMF
Wheel Size	18x9.5 inches
Offset	30mm
Bolt Pattern	5x114.3
Hub Bore	73.1mm
Finish	Silver with Machined Face
Vehicle Service Type	Passenger Car
Automotive Fit Type	Universal Fit
Item Weight	24.9 pounds (approx.)
UPC	717416627775

9. Warranty and Support

For specific warranty information regarding your Aodhan DS02 Custom Wheel, please refer to the documentation provided at the time of purchase or contact Aodhan directly through their official website. Keep your proof of purchase for any warranty claims.
For technical support or further inquiries, please contact your authorized Aodhan dealer or visit the manufacturer's website for contact information.

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