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› AODHÁN DS02 Wheel Instruction Manual: 19x9.5, 5x114.3, 30mm Offset

AODHÁN DS02

AODHÁN DS02 Wheel Instruction Manual

Model: DS02 | Size: 19x9.5 | Bolt Pattern: 5x114.3 | Offset: 30mm

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and care of your AODHÁN DS02 wheels. Adhering to these instructions will help ensure optimal performance, safety, and longevity of your wheels. Please read this manual thoroughly before installation and use.

2. PRODUCT OVERVIEW

The AODHÁN DS02 is a high-quality aluminum alloy wheel designed for passenger cars. It features a durable construction and a distinctive Bronze with Machined Lip finish. Key specifications include:

- **Size:** 19x9.5 inches
- **Bolt Pattern (PCD):** 5x114.3 mm
- **Offset:** 30mm
- **Hub Bore:** 73.1mm
- **Lip Size:** 2.5 inches
- **Maximum Load Capacity:** 1763 lbs (800 kg)
- **Material:** Aluminum



Figure 2.1: Front view of the AODHÁN DS02 wheel, showcasing the bronze finish and machined lip.



Figure 2.2: Angled view of the AODHÁN DS02 wheel, highlighting the spoke design and lip detail.

3. SETUP AND INSTALLATION

Proper installation is critical for safety and performance. It is highly recommended that wheel installation be performed by a qualified professional technician.

3.1 Pre-Installation Checks

- Verify that the wheel specifications (size, bolt pattern, offset, hub bore) match your vehicle's requirements.
- Inspect each wheel for any signs of damage from shipping. Do not install damaged wheels.
- Ensure you have the correct lug nuts. **Conical seated lug nuts/bolts (not included) are required for proper installation.**
- Confirm that the vehicle's hub surface is clean and free of rust, dirt, or debris.

3.2 Installation Steps

1. Lift the vehicle safely using appropriate lifting equipment and remove the existing wheels.

2. Mount the AODHÁN DS02 wheel onto the vehicle's hub, ensuring it sits flush against the mounting surface.
3. Install the conical seated lug nuts by hand, ensuring they thread smoothly.
4. Using a torque wrench, tighten the lug nuts in a star pattern to the vehicle manufacturer's specified torque settings. Do not overtighten.
5. Lower the vehicle.
6. After driving approximately 50-100 miles, re-check the lug nut torque to ensure they remain properly tightened.

3.3 Wheel Balancing

New wheels should always be professionally balanced with tires before installation on the vehicle to prevent vibrations and ensure a smooth ride.

4. OPERATING CONSIDERATIONS

Once installed, your AODHÁN DS02 wheels are designed for standard passenger car use. Observe the following:

- Avoid impacts with curbs, potholes, and road debris, which can cause damage to the wheel structure or finish.
- Regularly check tire pressure according to your vehicle manufacturer's recommendations. Incorrect tire pressure can affect handling and accelerate tire and wheel wear.
- If you notice any unusual vibrations, noises, or changes in vehicle handling, have your wheels and tires inspected by a professional immediately.

5. MAINTENANCE

Proper maintenance will preserve the appearance and integrity of your AODHÁN DS02 wheels.

5.1 Cleaning

- Clean wheels regularly with mild soap and water.
- Use a soft cloth or sponge. Avoid abrasive cleaners, brushes, or pads that can scratch the finish.
- Rinse thoroughly with clean water to remove all soap residue.
- For stubborn brake dust, use a pH-neutral wheel cleaner specifically designed for alloy wheels. Follow the product instructions carefully.
- Do not clean wheels when they are hot, as this can cause water spots or damage the finish.

5.2 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, consult a professional wheel repair specialist. Do not attempt to repair structural damage yourself.

6. TROUBLESHOOTING

This section addresses common issues that may arise with wheels.

6.1 Vibration

If you experience vibrations while driving, especially at certain speeds, it could indicate:

- **Improper Wheel Balance:** Wheels may need re-balancing.
- **Loose Lug Nuts:** Re-check lug nut torque.
- **Bent Wheel:** An impact may have bent the wheel. Professional inspection is required.
- **Tire Issues:** Uneven tire wear or damage.

Always have vibrations diagnosed by a professional technician.

6.2 Air Loss

If a tire consistently loses air, check for:

- **Puncture:** Inspect the tire tread and sidewall.
- **Valve Stem Leak:** Check the valve stem for damage or looseness.
- **Bead Seal Leak:** Improper tire mounting or damage to the wheel's bead seat.

Address air loss promptly to prevent tire damage and ensure safety.

7. SPECIFICATIONS

Detailed technical specifications for the AODHÁN DS02 wheel:

Specification	Value
Model	DS02
Size	19x9.5 inches
Bolt Pattern (PCD)	5x114.3 mm
Offset	30 mm
Hub Bore	73.1 mm
Lip Size	2.5 inches
Maximum Load Capacity	1763 lbs (800 kg)
Material	Aluminum
Color/Finish	Bronze w/Machined Lip
Item Weight	37 pounds
UPC	781119510450

8. SAFETY INFORMATION

- Always ensure lug nuts are torqued to vehicle manufacturer specifications. Incorrect torque can lead to wheel detachment or damage.
- Never exceed the maximum load capacity of the wheel (1763 lbs / 800 kg).
- Do not use damaged wheels. Replace any wheel that shows signs of cracks, severe bends, or structural compromise.
- Professional installation and regular inspection are crucial for safe operation.

- Be aware of your vehicle's handling characteristics with new wheels and tires.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your AODHÁN DS02 wheels, please refer to the documentation provided at the point of purchase or contact the authorized AODHÁN dealer or manufacturer directly. Keep your purchase receipt as proof of ownership.

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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