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AVID1 AV0815654C35WH

AVID.1 AV-08 Custom Wheel User Manual

Model: AV-08 (AV0815654C35WH)

1. INTRODUCTION

This manual provides essential information for the safe and proper installation, use, and maintenance of your AVID.1 AV-08 Custom Wheel. Please read this manual thoroughly before attempting any installation or maintenance procedures. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Improper installation or maintenance of wheels can lead to serious injury or death. Always seek professional assistance for wheel installation and balancing.

- Ensure the wheel's specifications (size, bolt pattern, offset, center bore) match your vehicle's requirements. Consult your vehicle's owner's manual or a qualified technician.
- Always use appropriate safety equipment, including eye protection and gloves, when handling wheels.
- Never exceed the maximum load rating of the wheel or tire.
- Regularly inspect wheels for damage, cracks, or bends. Do not use damaged wheels.
- Ensure lug nuts are torqued to the vehicle manufacturer's specifications using a calibrated torque wrench.

3. PRODUCT OVERVIEW

The AVID.1 AV-08 is a custom alloy wheel designed for passenger cars, featuring a 5-spoke design and a white finish. This wheel is manufactured from durable alloy material, ensuring both performance and aesthetic appeal.



Figure 1: Front view of the AVID.1 AV-08 Custom Wheel in white.



Figure 2: Angled view showcasing the 5-spoke design and center cap of the AVID.1 AV-08 wheel.



Figure 3: Side profile of the AVID.1 AV-08 Custom Wheel, highlighting its depth and construction.

4. SETUP AND INSTALLATION

Wheel installation requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified automotive technician.

4.1 Pre-Installation Checks

1. **Vehicle Compatibility:** Verify that the wheel's bolt pattern (4x100), diameter (15 inches), width (6.5 inches), offset (35mm), and center bore (73.1mm) are compatible with your vehicle.
2. **Tire Compatibility:** Ensure the tires you intend to mount are appropriate for a 15x6.5 inch wheel.
3. **Lug Nuts:** Confirm you have the correct type and size of lug nuts for these wheels and your vehicle.
4. **Inspect Wheels:** Before mounting tires, carefully inspect each wheel for any manufacturing defects or shipping damage.

4.2 Installation Procedure (Professional Recommended)

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and loosen the lug

- nuts on the wheels to be replaced.
2. **Lift Vehicle:** Safely lift the vehicle using a jack and secure it with jack stands.
 3. **Remove Old Wheels:** Remove the loosened lug nuts and carefully take off the old wheels.
 4. **Clean Hub Surface:** Clean any rust or debris from the vehicle's hub mounting surface to ensure proper seating of the new wheel.
 5. **Mount New Wheel:** Carefully place the new AVID.1 AV-08 wheel onto the hub. Ensure it sits flush against the mounting surface.
 6. **Install Lug Nuts:** Hand-tighten the lug nuts in a star pattern until the wheel is snug against the hub.
 7. **Lower Vehicle:** Lower the vehicle until the tires just touch the ground, but the full weight is not yet on the wheels.
 8. **Torque Lug Nuts:** Using a calibrated torque wrench, tighten the lug nuts in a star pattern to the vehicle manufacturer's specified torque settings. Do not overtighten.
 9. **Final Lowering:** Fully lower the vehicle and remove the jack and jack stands.

5. OPERATING CONSIDERATIONS

5.1 Post-Installation Check

After driving approximately 50-100 miles (80-160 km) on newly installed wheels, it is crucial to re-torque all lug nuts to the manufacturer's specifications. This ensures that the wheels remain securely fastened after initial settling.

5.2 Driving Practices

- Avoid hitting potholes or curbs, as this can damage the wheel and tire.
- Maintain proper tire pressure as recommended by your vehicle manufacturer.
- Be aware of any unusual vibrations or noises, which could indicate a problem with the wheels or tires.

6. MAINTENANCE

6.1 Cleaning

To maintain the finish of your AVID.1 AV-08 wheels:

- Use a mild car wash soap and water. Avoid harsh chemical cleaners, abrasive brushes, or acidic wheel cleaners, as these can damage the finish.
- Rinse thoroughly with clean water and dry with a soft cloth to prevent water spots.
- Clean wheels regularly, especially after driving in adverse weather conditions or on salted roads.

6.2 Inspection

Periodically inspect your wheels for:

- **Damage:** Look for cracks, bends, dents, or deep scratches. Even minor damage can compromise wheel integrity.
- **Corrosion:** Check for signs of corrosion, especially around the lug nut holes and valve stem.
- **Loose Lug Nuts:** Ensure all lug nuts are tight. If you suspect loosening, re-torque them immediately.

7. TROUBLESHOOTING

7.1 Common Issues

- **Vibration:** If you experience vibrations after wheel installation, it could be due to improper balancing, loose lug nuts, or a bent wheel. Have the wheels professionally inspected and balanced.
- **Air Loss:** Slow air loss from a tire mounted on a new wheel could indicate improper tire bead seating, a faulty valve stem, or a damaged wheel. Seek professional inspection.
- **Noise:** Unusual noises from the wheel area may indicate loose components or interference with brake calipers. Stop driving and have the vehicle inspected immediately.

For any persistent issues, consult a qualified automotive technician.

8. SPECIFICATIONS

Feature	Specification
Brand	AVID1
Model	AV-08
Part Number	AV0815654C35WH
Color	White
Size	15x6.5
Bolt Pattern	4x100
Offset	35 Millimeters
Center Hub Bore	73.1mm
Rim Width	6.5 Inches
Wheel Size	15 Inches
Material	Alloy
Item Weight	22 Pounds
Load Index	700
Vehicle Service Type	Passenger Car

9. WARRANTY AND SUPPORT

AVID.1 wheels are covered by a manufacturer's warranty against defects in materials and workmanship. Specific warranty terms and conditions may vary. Please refer to the official AVID.1 website or contact your authorized dealer for detailed warranty information.

For technical support, installation questions, or warranty claims, please contact AVID.1 customer service or your product retailer.

